

MALDIVES NATIONAL UNIVERSITY THINADHOO CAMPUS CLASS ROOM BLOCK  
**ARCHITECTURAL AND STRUCTURAL DRAWINGS**

PROJECT: CONSULTANCY SERVICES FOR PREPARATION OF DRAWINGS AND BILL  
OF QUANTITIES FOR THE PROPOSED CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

PREPARED BY:



**Charter Engineering Company Private Limited**  
Second floor, M.Biminee, Male, Maldives  
Email: charter.engr@gmail.com, Mob: +(960) 782-9969

**GENERAL NOTES:**

- All dimensions shall be verified on site before proceeding with work.
- In case of any confusion in the structural elements, the measurements given in the structural drawings has to be followed.
- DO NOT SCALE DRAWINGS. Work to figured dimensions.
- All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE



Charter Engineering Company Private Limited  
 Second floor, M.Biminee, Male', Maldives  
 Email: charter\_engr@gmail.com, Mob: +(960) 782-9969

PHASE:

- CONCEPTUAL DESIGN
- DESIGN DEVELOPMENT
- DESIGN APPROVAL
- CONSTRUCTION DOCUMENTATION
- AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21

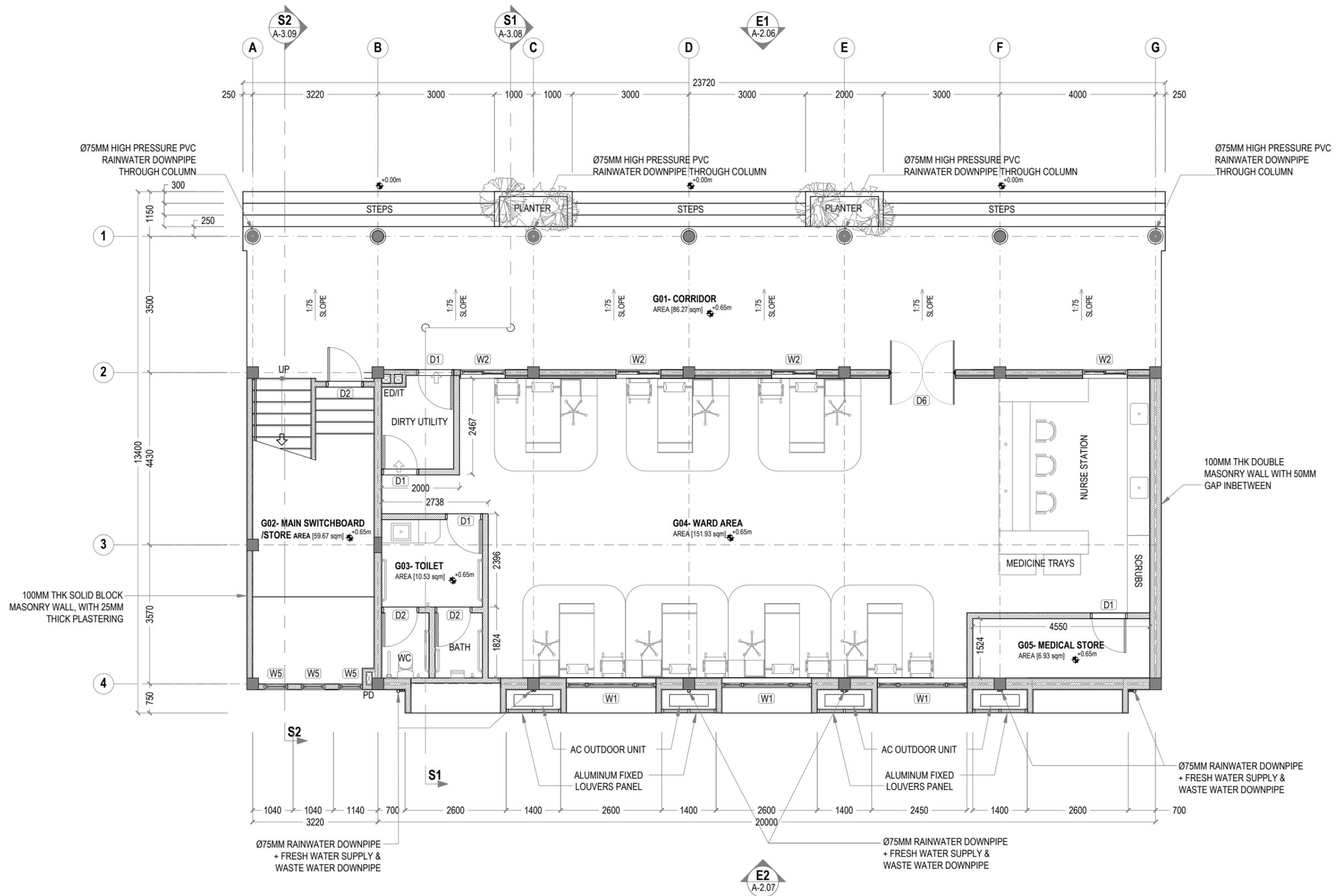
SCALE: 1:100

SHEET SIZE: A3

DRAWING NO. REV.

**A-1.01**

0.00



**1 GROUND FLOOR PLAN**  
 REF. XX-00 SCALE : 1:100 (A3)

ED : ELECTRICAL DUCT  
 IT : INTERNET/TELEPHONE DUCT  
 PD : PLUMBING DUCT  
 RFD : FLOOR DRAIN



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CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

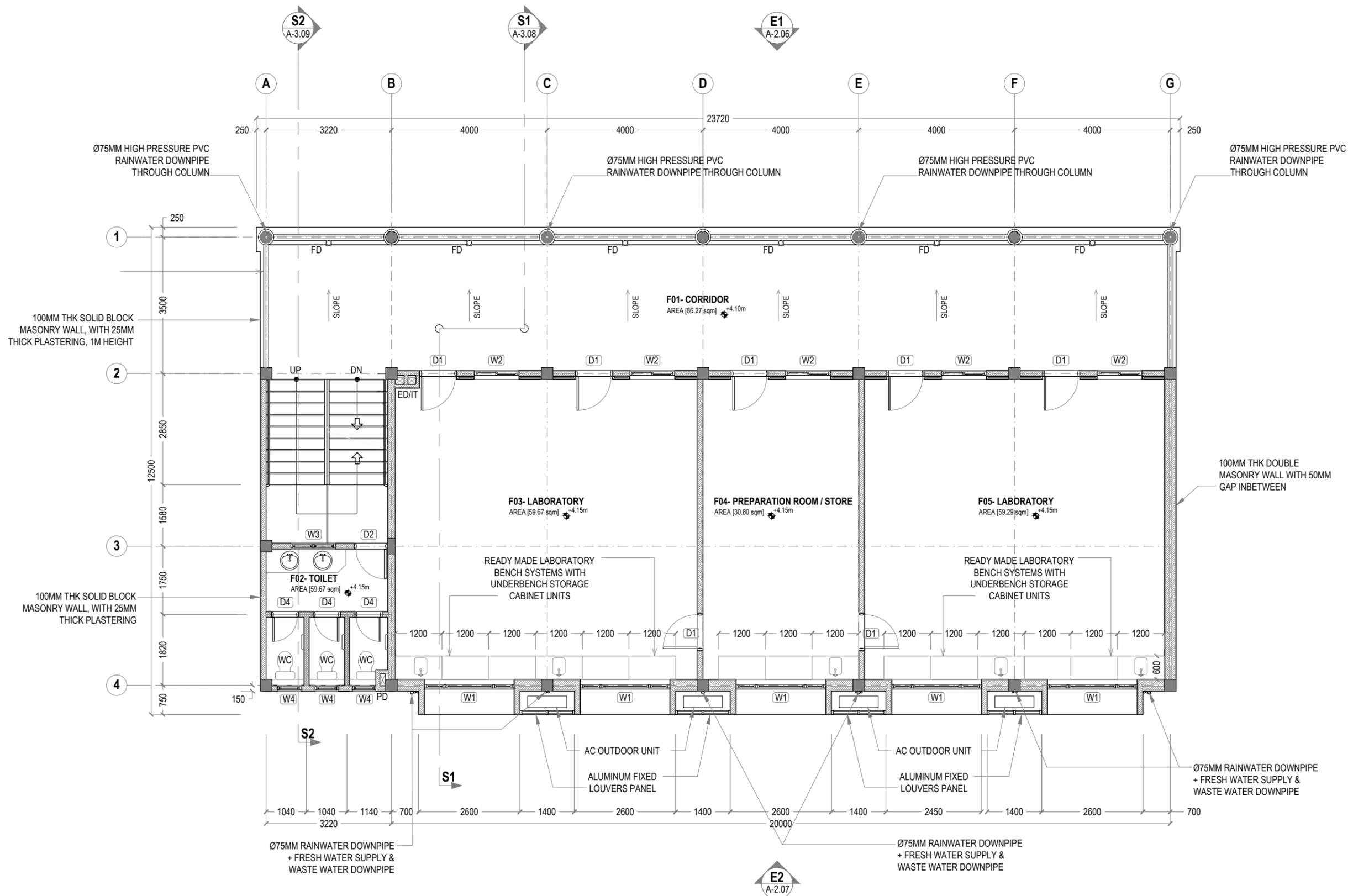
CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

**A-1.02**

0.00



**1 FIRST FLOOR PLAN**  
 REF. XX-00 SCALE : 1:100 (A3)



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CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

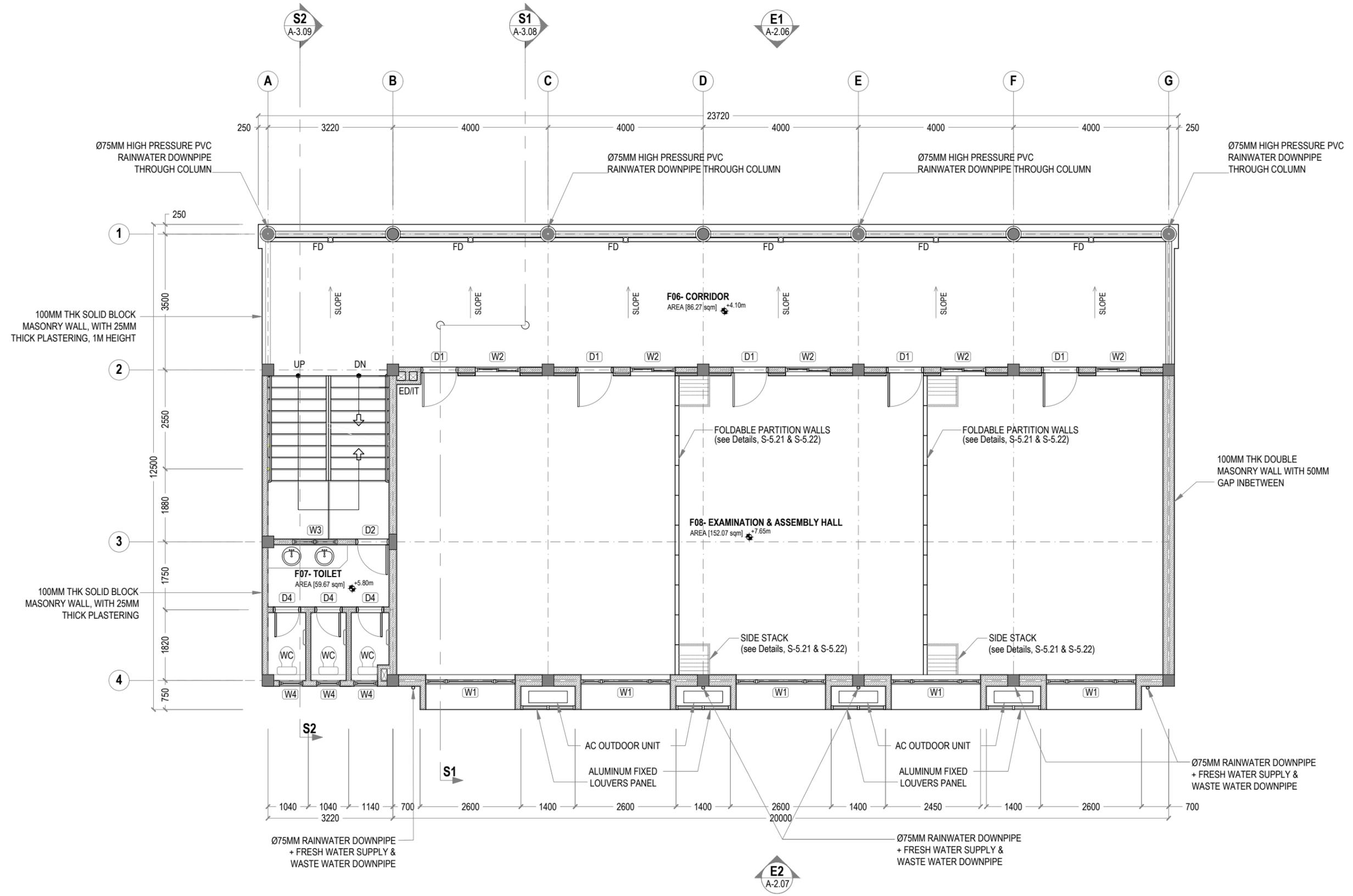
CHECKED BY: CEC

DATE: Jan 21      SCALE: 1:100      SHEET SIZE: A3

DRAWING NO.      REV.

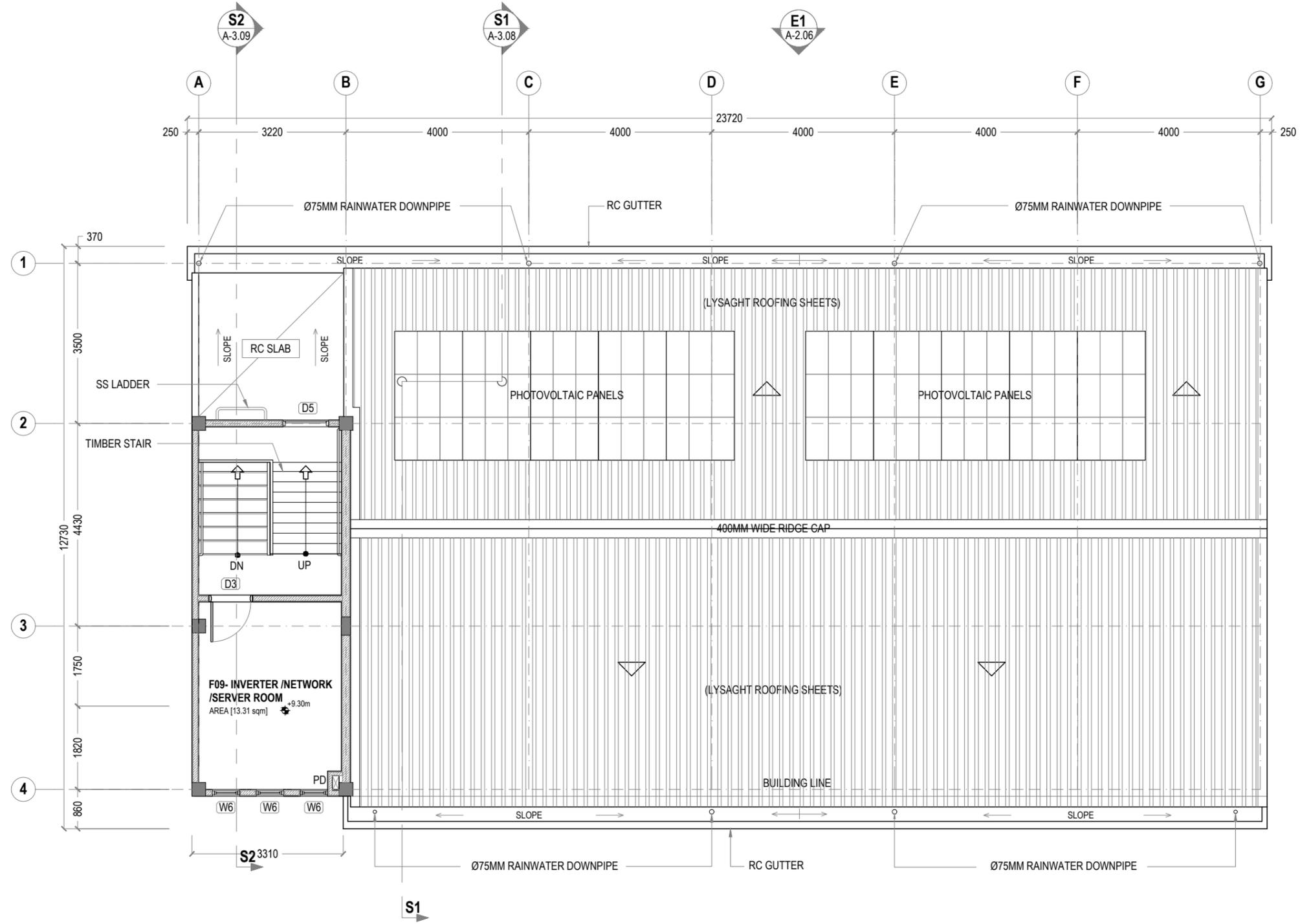
**A-1.03**

0.00



**1 SECOND FLOOR PLAN**  
 REF. XX-00      SCALE : 1:100 (A3)





**1 SECOND FLOOR AT HALF-LANDING LVL**  
 REF. XX-00 SCALE : 1:100 (A3)

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**Charter**  
 ENGINEERING COMPANY  
 Charter Engineering Company Private Limited  
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PROJECT:  
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CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

**A-1.04** 0.00



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KEY PLAN:

REV.	DESCRIPTION	DATE



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CLIENT: MALDIVES NATIONAL UNIVERSITY

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DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

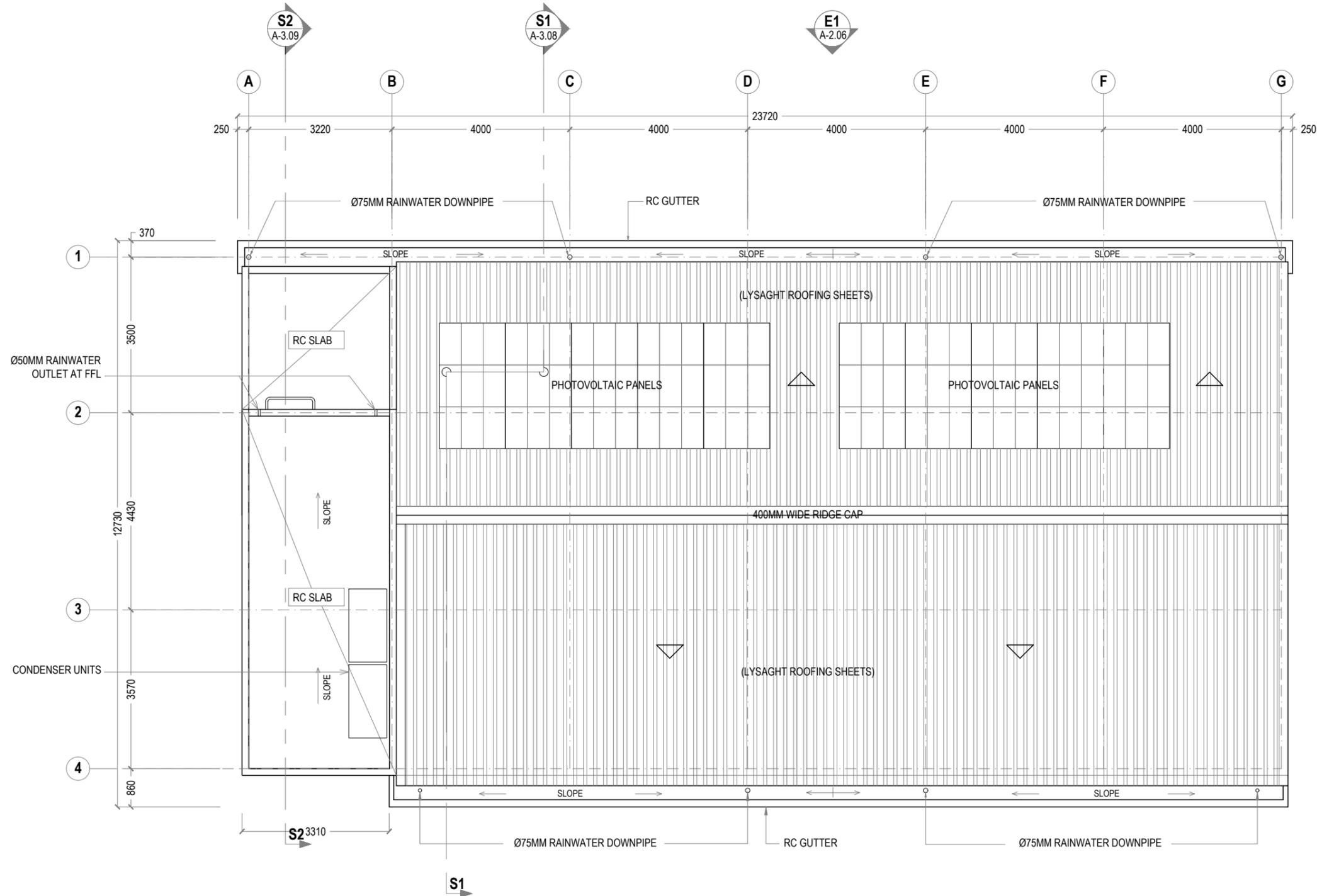
DATE: Jan 21      SCALE: 1:100      SHEET SIZE: A3

DRAWING NO.

REV.

**A-1.05**

0.00



**1 ROOF PLAN**  
 REF. XX-00 SCALE: 1:100 (A3)



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KEY PLAN:

SYMBOL	D1	VENTILATION AREA			D2	VENTILATION AREA			D3	VENTILATION AREA			D4	VENTILATION AREA			D5	VENTILATION AREA		
		04	07	05		03	01	01		00	00	01		00	03	03		00	00	01
		1.54 sq.m				1.54 sq.m				1.54 sq.m				0.95 sq.m				0.65 sq.m		
ELEVATION																				
REQUIRED	QUANTITY	04	07	05	03	01	01	00	00	01	00	03	03	00	00	01				
	LOCATION	GF	1F	2F	GF	1F	2F	GF	1F	2F	GF	1F	2F	GF	1F	2F				
JAMBS	MATERIAL	TREATED TIMBER			TREATED TIMBER			TREATED TIMBER			TREATED TIMBER			WHITE POWDER COATED ALUMINIUM						
	FINISH	PLAIN PAINTED SEMI GLOSS FINISH			PLAIN PAINTED SEMI GLOSS FINISH			PLAIN PAINTED SEMI GLOSS FINISH			PLAIN PAINTED SEMI GLOSS FINISH			WHITE POWDER COATED ALUMINIUM						
PANEL	MATERIAL	SOLID TREATED TIMBER			SOLID TREATED TIMBER			SOLID TREATED TIMBER			SOLID TREATED TIMBER			6mm THICK HEAT REFLECTING GLASS						
	FINISH	PLAIN PAINTED SEMI GLOSS FINISH 6mm THICK HEAT REFLECTING GLASS			PLAIN PAINTED SEMI GLOSS FINISH			PLAIN PAINTED SEMI GLOSS FINISH 6mm THICK HEAT REFLECTING GLASS			PLAIN PAINTED SEMI GLOSS FINISH			6mm THICK HEAT REFLECTING GLASS						
CASING	MATERIAL	DECORATIVE TREATED TIMBER			DECORATIVE TREATED TIMBER			DECORATIVE TREATED TIMBER			DECORATIVE TREATED TIMBER			-						
	FINISH	PLAIN PAINTED SEMI GLOSS FINISH			PLAIN PAINTED SEMI GLOSS FINISH			PLAIN PAINTED SEMI GLOSS FINISH			PLAIN PAINTED SEMI GLOSS FINISH			-						
HINGES	MATERIAL	STAINLESS STEEL			STAINLESS STEEL			STAINLESS STEEL			STAINLESS STEEL			STAINLESS STEEL						
HANDLE SET & LOCK		TYPICAL HANDLE SET WITH LATCH UNIT			TYPICAL HANDLE SET WITH LATCH UNIT			TYPICAL HANDLE SET WITH LATCH UNIT			TYPICAL HANDLE SET WITH LATCH UNIT			TYPICAL HANDLE SET WITH LATCH UNIT						
CLOSER		DOOR CLOSER REQUIRED			DOOR CLOSER REQUIRED			DOOR CLOSER REQUIRED			DOOR CLOSER REQUIRED			-						
STOPPER /HOLDER		TYPICAL FLOOR MOUNT			TYPICAL FLOOR MOUNT			TYPICAL FLOOR MOUNT			TYPICAL FLOOR MOUNT			-						
NOTES		-			-			-			-			-						

**NOTE**

- ALL MEASUREMENTS TO BE CHECKED ON SITE BEFORE FABRICATION
- ALL ALUMINUM SHALL BE 80 MICRON POWER COATED METAL GRAY.
- PROVIDE RC LINTELS TO ALL UNITS NOT FIXED TO BEAMS AT TOP.
- SHOP DRAWINGS AND TECHNICAL SPECIFICATIONS FOR ALL ALUMINUM DOORS AND WINDOWS SHOWING DETAILS OF SECTIONS, ASSEMBLY, TYPE OF LOCKS, HINGES, BOLTS AND HANDLES SHOULD BE SUBMITTED BY THE CONTRACTOR FOR THE APPROVAL.
- FOR DOORS SEE SWINGS INDICATED ON FLOOR PLANS.
- ALL EXTERNAL UNITS MUST COMPLY THE FOLLOWING;
  - WIND PRESSURE: 200 kg/sqm
  - WATER TIGHTNESS: 25kg/sqm

FG : FIXED GLASS  
FTL : FIXED TIMBER LOUVERS  
FAL : FIXED ALUMINUM LOUVERS

**1 DOOR / WINDOW SCHEDULE 01**  
XX-00 SCALE : 1:50 (A3)

REV.	DESCRIPTION	DATE



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**PHASE:**

- CONCEPTUAL DESIGN
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- CONSTRUCTION DOCUMENTATION
- AS-BUILT DRAWINGS

**PROJECT:**

ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: SCHEDULES

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21

SCALE: 1:50

SHEET SIZE: A3

DRAWING NO.

REV.

**A-6.12**

0.00



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KEY PLAN:

SYMBOL	W1	VENTILATION AREA	W2	VENTILATION AREA	W3	VENTILATION AREA	W4	VENTILATION AREA
		1.52 sq.m		0.52 sq.m		0.50 sq.m		0.25 sq.m
ELEVATION								
REQUIRED	QUANTITY	03 05 05	04 05 05	00 01 01	00 01 01	00 03 03		
	LOCATION	GF 1F 2F	GF 1F 2F	GF 1F 2F	GF 1F 2F	GF 1F 2F		
JAMBS	MATERIAL	WHITE POWDER COATED ALUMINIUM		WHITE POWDER COATED ALUMINIUM		WHITE POWDER COATED ALUMINIUM		WHITE POWDER COATED ALUMINIUM
	FINISH	WHITE POWDER COATED ALUMINIUM		WHITE POWDER COATED ALUMINIUM		WHITE POWDER COATED ALUMINIUM		WHITE POWDER COATED ALUMINIUM
PANEL	MATERIAL	6mm THICK HEAT REFLECTING GLASS		6mm THICK HEAT REFLECTING GLASS		6mm THICK HEAT REFLECTING GLASS		6mm THICK HEAT REFLECTING GLASS
	FINISH	6mm THICK HEAT REFLECTING GLASS		6mm THICK HEAT REFLECTING GLASS		6mm THICK HEAT REFLECTING GLASS		6mm THICK HEAT REFLECTING GLASS
CASING	MATERIAL	-		-		-		-
	FINISH	-		-		-		-
HINGES	MATERIAL	STAINLESS STEEL		STAINLESS STEEL		STAINLESS STEEL		STAINLESS STEEL
HANDLE SET & LOCK		TYPICAL HANDLE SET WITH LATCH UNIT		TYPICAL HANDLE SET WITH LATCH UNIT		TYPICAL HANDLE SET WITH LATCH UNIT		TYPICAL HANDLE SET WITH LATCH UNIT
CLOSER		-		-		-		-
STOPPER /HOLDER		-		-		-		-
NOTES		-		-		-		-

**NOTE**

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  - WATER TIGHTNESS: 25kg/sqm

FG : FIXED GLASS  
 FTL : FIXED TIMBER LOUVERS  
 FAL : FIXED ALUMINUM LOUVERS

**1 DOOR / WINDOW SCHEDULE 02**  
 XX-00 SCALE : 1:50 (A3)

REV.	DESCRIPTION	DATE



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- AS-BUILT DRAWINGS

**PROJECT:**

ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: SCHEDULES

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:50 SHEET SIZE: A3

DRAWING NO.

REV.

**A-6.13**

0.00



**GENERAL NOTES:**

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KEY PLAN:

SYMBOL	W5	VENTILATION AREA			W6	VENTILATION AREA			SHADING FRAMES	
		0.25 sq.m				0.50 sq.m				
ELEVATION										
REQUIRED	QUANTITY	03	00	00	00	00	03	05	05	05
	LOCATION	GF	1F	2F	GF	1F	2F	GF	1F	2F
JAMBS	MATERIAL	WHITE POWDER COATED ALUMINIUM			WHITE POWDER COATED ALUMINIUM			WHITE POWDER COATED ALUMINIUM		
	FINISH	WHITE POWDER COATED ALUMINIUM			WHITE POWDER COATED ALUMINIUM			WHITE POWDER COATED ALUMINIUM		
PANEL	MATERIAL	6mm THICK HEAT REFLECTING GLASS			6mm THICK HEAT REFLECTING GLASS			6mm THICK HEAT REFLECTING GLASS		
	FINISH	6mm THICK HEAT REFLECTING GLASS			6mm THICK HEAT REFLECTING GLASS			6mm THICK HEAT REFLECTING GLASS		
CASING	MATERIAL	-			-			-		
	FINISH	-			-			-		
HINGES	MATERIAL	STAINLESS STEEL			STAINLESS STEEL			STAINLESS STEEL		
HANDLE SET & LOCK		-			TYPICAL HANDLE SET WITH LATCH UNIT			-		
CLOSER		-			-			-		
STOPPER /HOLDER		-			-			-		
NOTES		-			-			SHADING FRAMES		

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FG : FIXED GLASS  
 FTL : FIXED TIMBER LOUVERS  
 FAL : FIXED ALUMINIUM LOUVERS

**1 DOOR / WINDOW SCHEDULE 03**  
 XX-00 SCALE : 1:50 (A3)

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- AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: SCHEDULES

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:50 SHEET SIZE: A3

DRAWING NO. REV.

**A-6.14**

0.00



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KEY PLAN:

SYMBOL		<b>D6</b>	VENTILATION AREA 3.24 sq.m	AC DUCT FRAMES		
ELEVATION						
REQUIRED	QUANTITY	01		04	04	04
	LOCATION	GF		GF	1F	2F
JAMBS	MATERIAL	TREATED TIMBER		WHITE POWDER COATED ALUMINIUM		
	FINISH	PLAIN PAINTED SEMI GLOSS FINISH		WHITE POWDER COATED ALUMINIUM		
PANEL	MATERIAL	SOLID TREATED TIMBER		6mm THICK HEAT REFLECTING GLASS		
	FINISH	PLAIN PAINTED SEMI GLOSS FINISH 6mm THICK HEAT REFLECTING GLASS		6mm THICK HEAT REFLECTING GLASS		
CASING	MATERIAL	DECORATIVE TREATED TIMBER		-		
	FINISH	PLAIN PAINTED SEMI GLOSS FINISH		-		
HINGES	MATERIAL	STAINLESS STEEL		STAINLESS STEEL		
HANDLE SET & LOCK		TYPICAL HANDLE SET WITH LATCH UNIT		-		
CLOSER		DOOR CLOSER REQUIRED		-		
STOPPER /HOLDER		TYPICAL FLOOR MOUNT		-		
NOTES		-		SHADING FRAMES		

- NOTE**
- ALL MEASUREMENTS TO BE CHECKED ON SITE BEFORE FABRICATION
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    - WATER TIGHTNESS: 25kg/sqm

FG : FIXED GLASS  
FTL : FIXED TIMBER LOUVERS  
FAL : FIXED ALUMINUM LOUVERS

**1 DOOR / WINDOW SCHEDULE 04**  
XX-00 SCALE : 1:50 (A3)

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CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: SCHEDULES

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:50 SHEET SIZE: A3

DRAWING NO. REV.

**A-6.15**

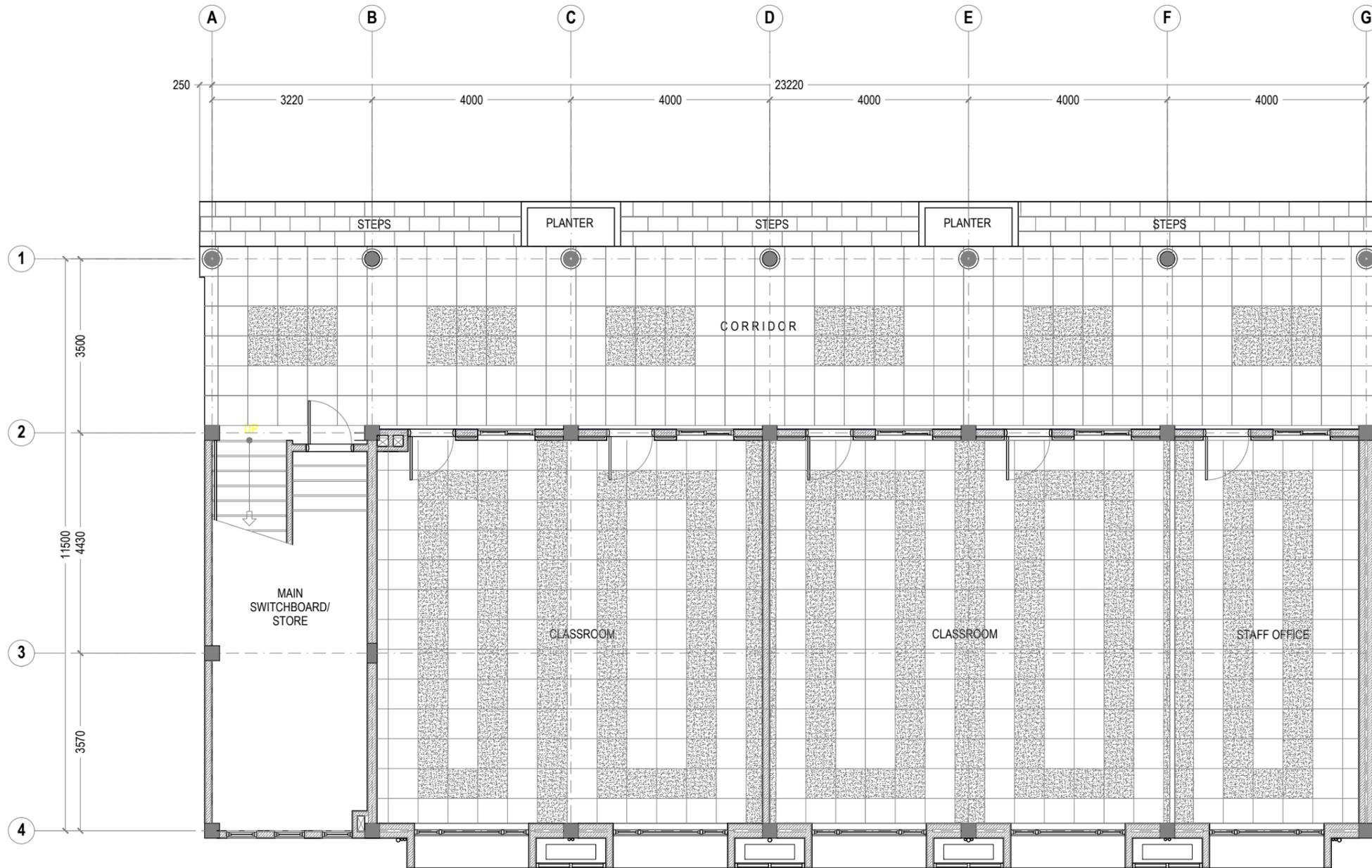
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KEY PLAN:



**1 GROUND FLOOR TILE PATTERN LAYOUT**  
REF. XX-00 SCALE : 1:100 (A3)

REV.	DESCRIPTION	DATE



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**LOCATION:** GDH.THINADHOO

**DISCIPLINE:** ARCHITECTURAL

**DRAWN BY:** ISMAIL

**DESIGNED BY:**

**CHECKED BY:** CEC

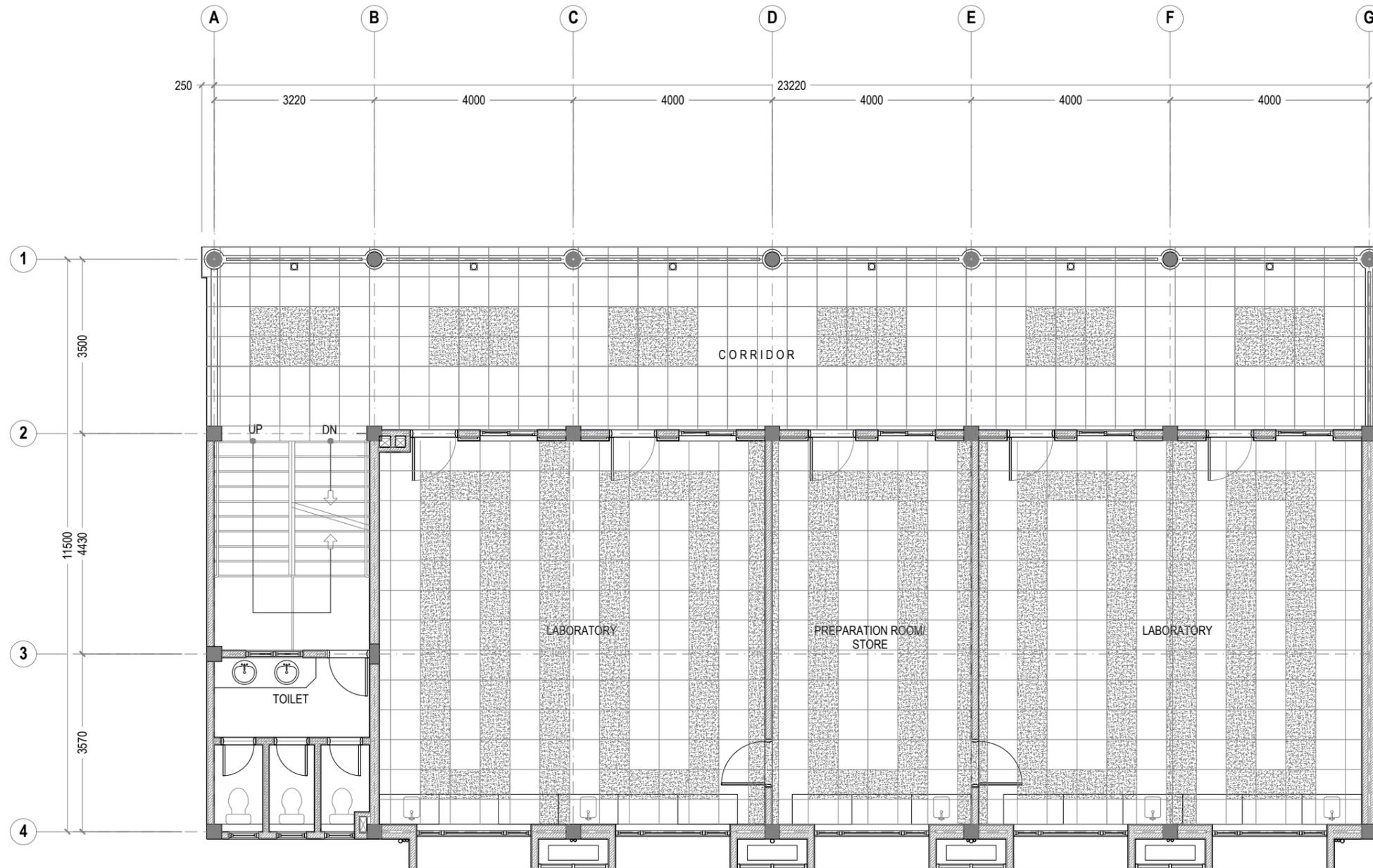
**DATE:** Jan 21 **SCALE:** 1:100 **SHEET SIZE:** A3

**DRAWING NO.** **REV.**

**A-1.16**

0.00





**1 FIRST FLOOR TILE PATTERN LAYOUT**  
 REF. XX-00 SCALE : 1:100 (A3)

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KEY PLAN:

REV.	DESCRIPTION	DATE



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  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

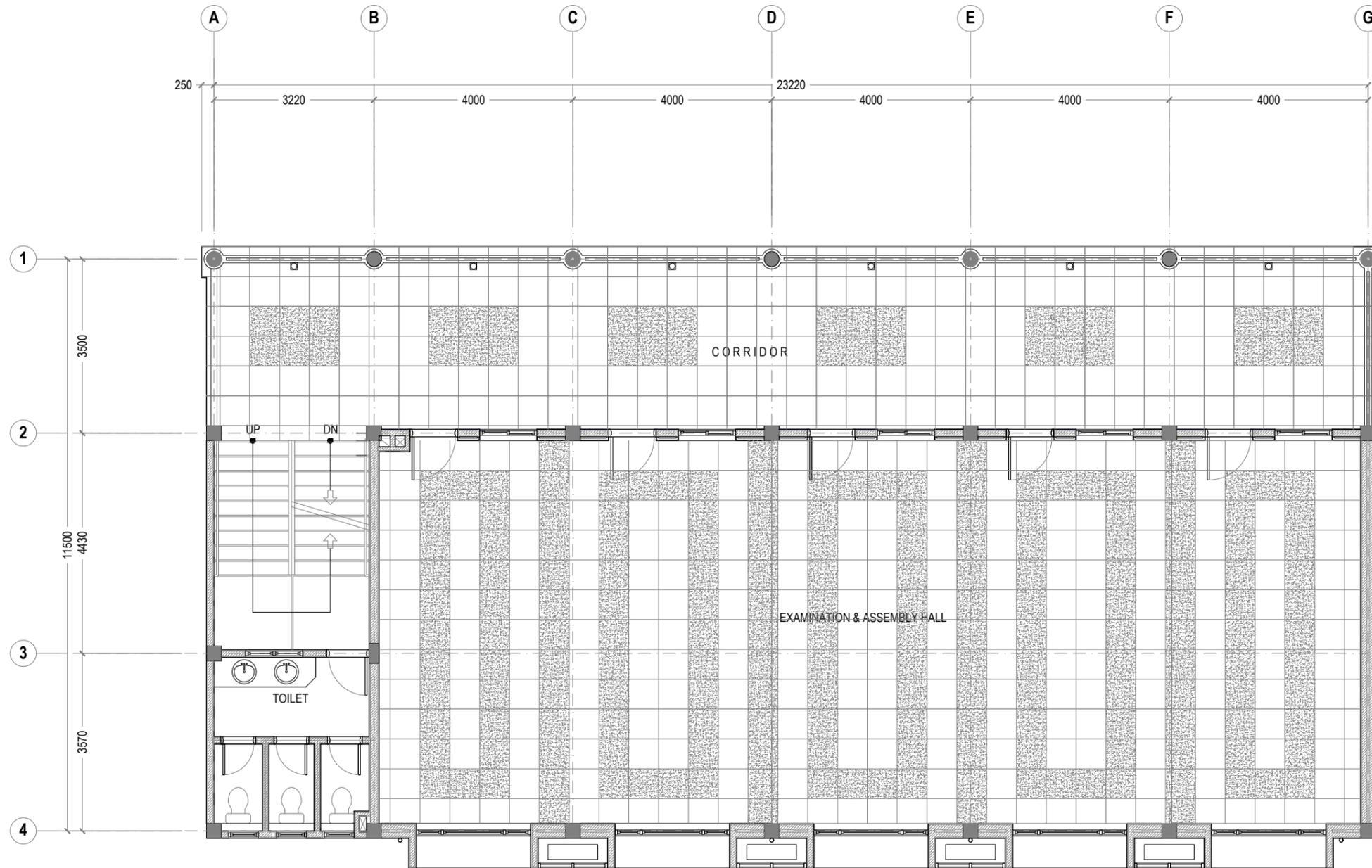
CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

**A-1.17** 0.00





**1 SECOND FLOOR TILE PATTERN LAYOUT**  
 REF. XX-00 SCALE : 1:100 (A3)

**GENERAL NOTES:**

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- DO NOT SCALE DRAWINGS. Work to figured dimensions.
- All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE



**Charter Engineering Company Private Limited**  
 Second floor, M.Biminee, Male', Maldives  
 Email: charter\_engr@gmail.com, Mob: +(960) 782-9969

- PHASE:
- CONCEPTUAL DESIGN
  - DESIGN DEVELOPMENT
  - DESIGN APPROVAL
  - CONSTRUCTION DOCUMENTATION
  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

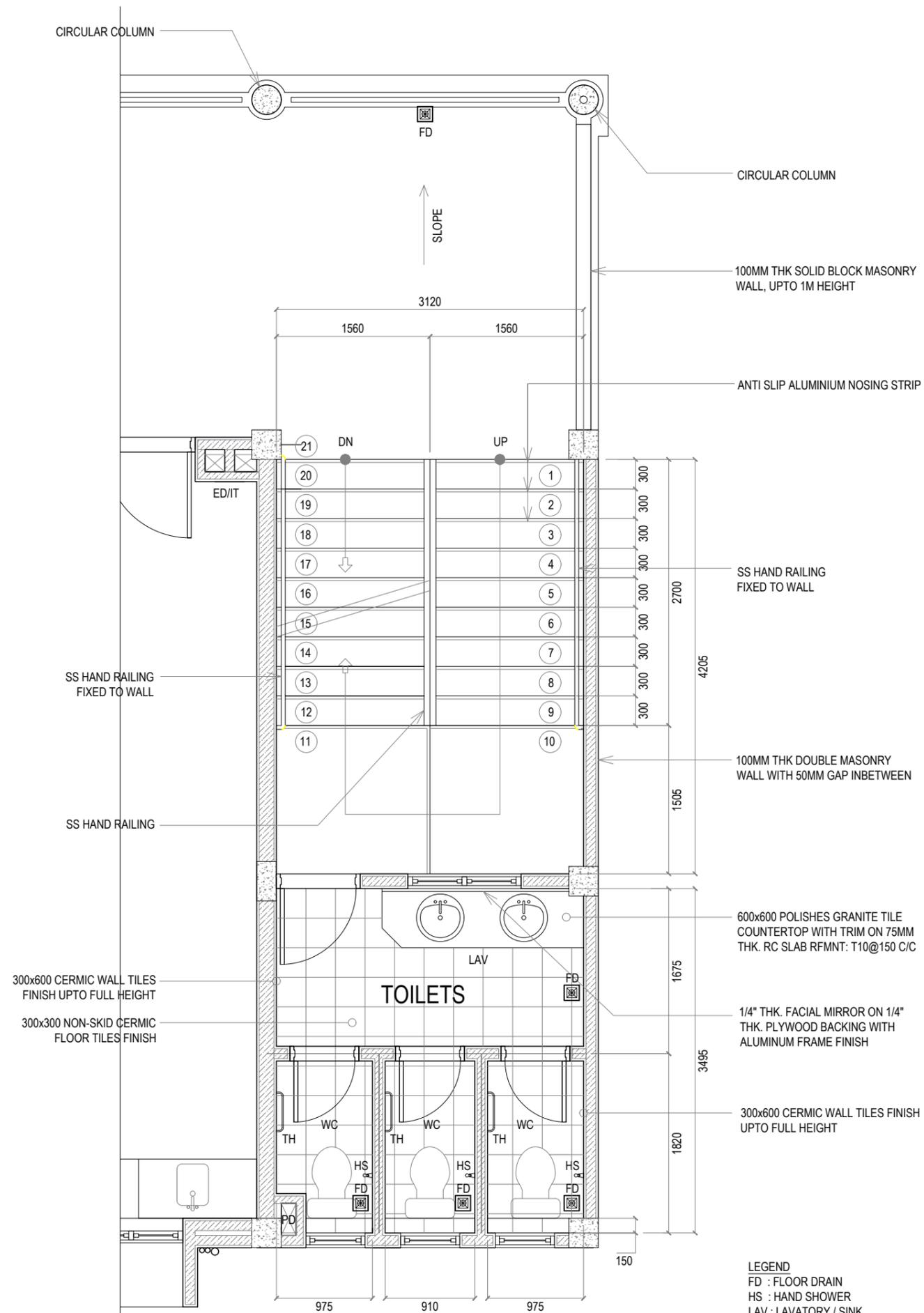
DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

**A-1.18**

0.00





**GENERAL NOTES:**

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REV.	DESCRIPTION	DATE



PHASE:

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- CONSTRUCTION DOCUMENTATION
- AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY  
 LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21

SCALE: 1:50

SHEET SIZE: A3

DRAWING NO. REV. 0.00

**1 STAIR / TOILET BLOCK (TYPICAL)**  
 XX-00 SCALE : 1:50 (A3)

**LEGEND**  
 FD : FLOOR DRAIN  
 HS : HAND SHOWER  
 LAV : LAVATORY / SINK  
 TH : TOWEL HANGER



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KEY PLAN:



**1 E1 | FRONT ELEVATION**  
REF. XX-00 SCALE : 1:100 (A3)

REV.	DESCRIPTION	DATE



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- PHASE:
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  - DESIGN APPROVAL
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  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

**A-2.06** 0.00



**GENERAL NOTES:**

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KEY PLAN:

REV.	DESCRIPTION	DATE



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**PHASE:**

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- DESIGN DEVELOPMENT
- DESIGN APPROVAL
- CONSTRUCTION DOCUMENTATION
- AS-BUILT DRAWINGS

**PROJECT:**

ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21      SCALE: 1:100      SHEET SIZE: A3

DRAWING NO.      REV.

**A-2.07**

0.00



**1 E2 | REAR ELEVATION**  
 REF. XX-00      SCALE : 1:100 (A3)



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KEY PLAN:

REV.	DESCRIPTION	DATE



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**PHASE:**

- CONCEPTUAL DESIGN
- DESIGN DEVELOPMENT
- DESIGN APPROVAL
- CONSTRUCTION DOCUMENTATION
- AS-BUILT DRAWINGS

**PROJECT:**

ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

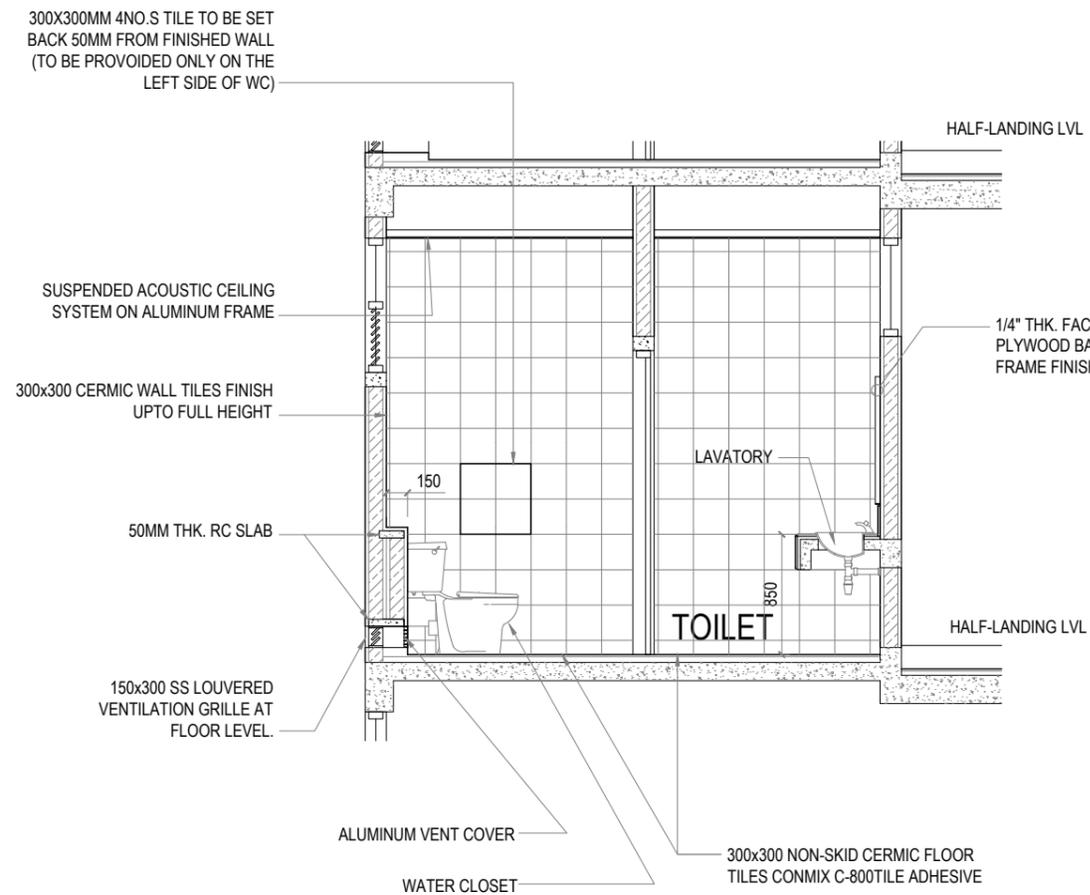
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DATE: Jan 21      SCALE: 1:50      SHEET SIZE: A3

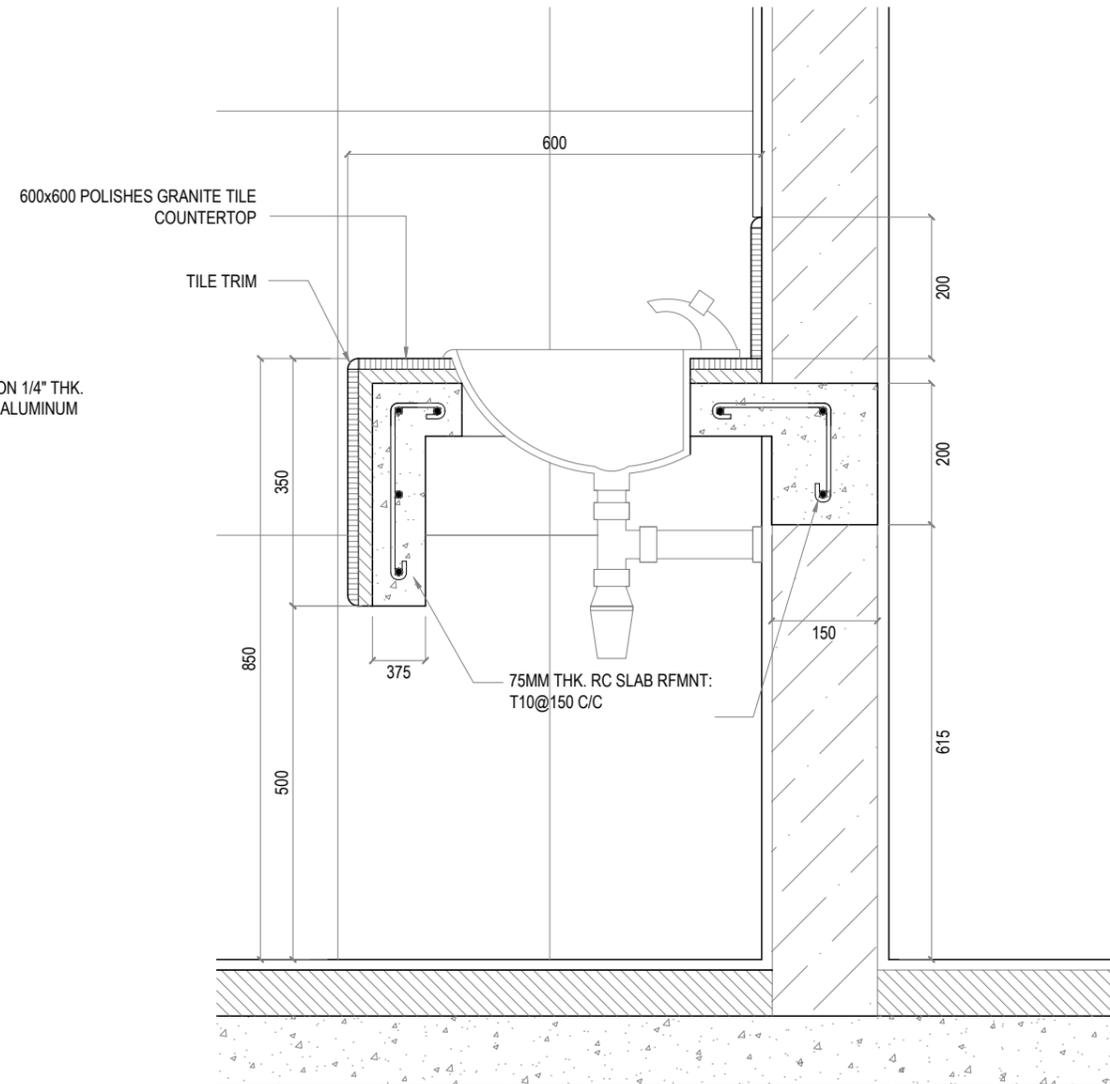
DRAWING NO.      REV.

**A-2.20**

0.00



**1 SECTION THROUGH TOILET BLOCK**  
 XX-00      SCALE : 1:50 (A3)



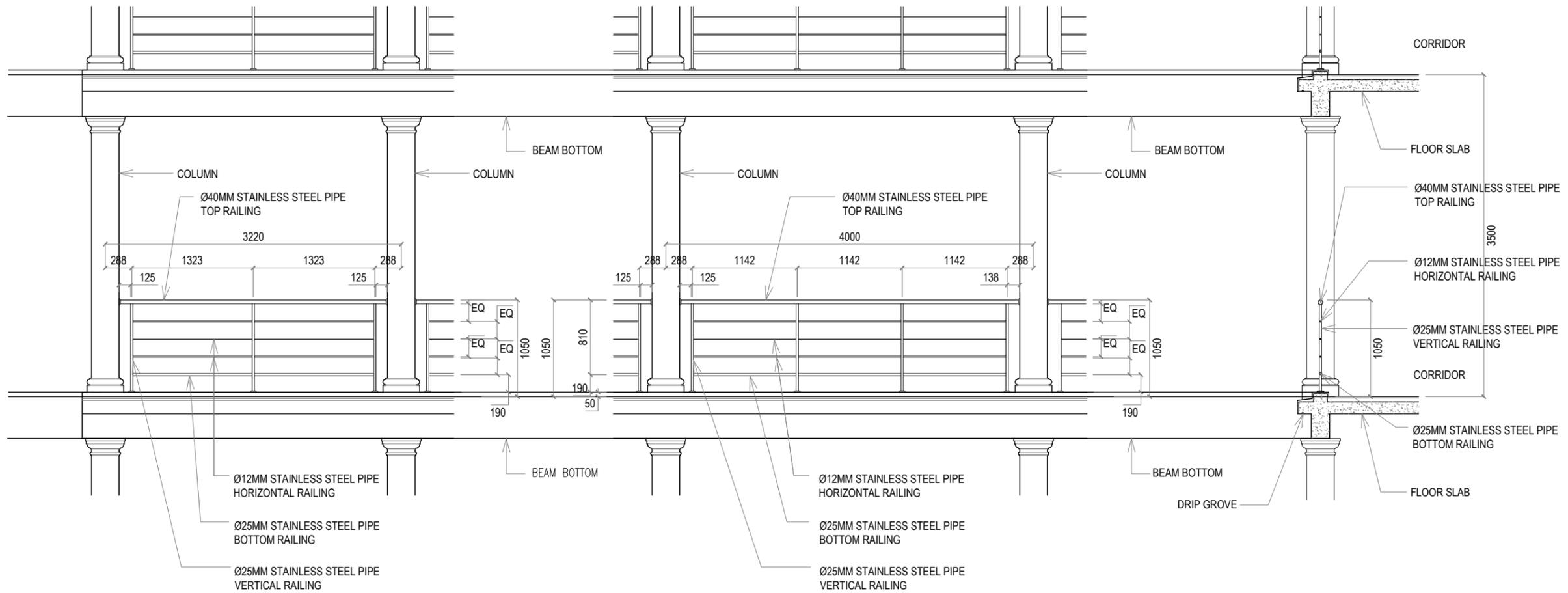
**2 SECTION THROUGH LAVATORY BLOCK**  
 XX-00      SCALE : 1:10 (A3)



**GENERAL NOTES:**

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KEY PLAN:



REV.	DESCRIPTION	DATE



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- PHASE:
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  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY  
 LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21      SCALE: 1:50      SHEET SIZE: A3

DRAWING NO.      REV.

**A-2.21**      0.00

**1 BALCONY RAILING DETAILS**  
 XX-00      SCALE : 1:50 (A3)



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REV.	DESCRIPTION	DATE



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**PHASE:**

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- DESIGN DEVELOPMENT
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- AS-BUILT DRAWINGS

**PROJECT:**

**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

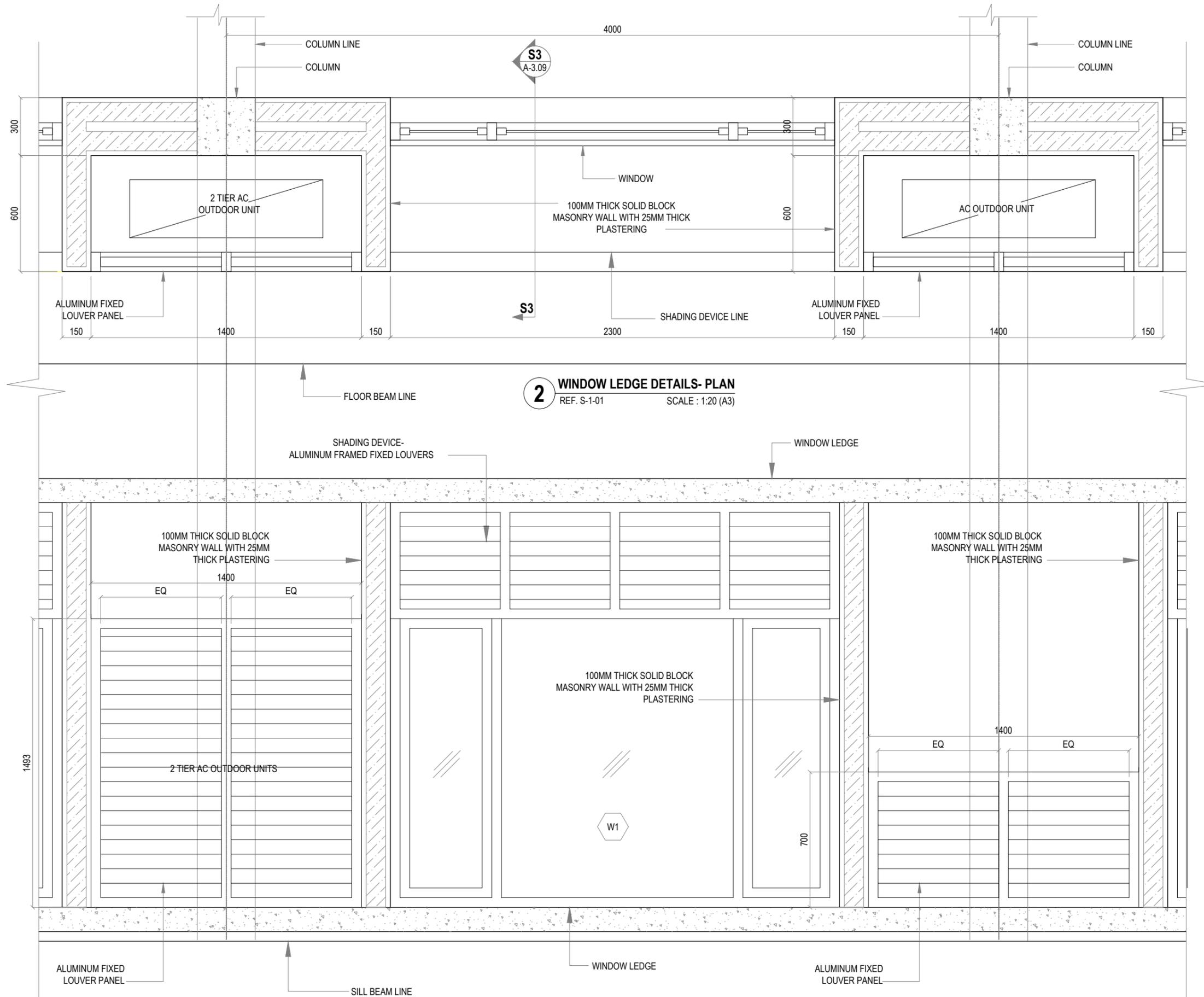
DATE: Jan 21      SCALE: 1:20      SHEET SIZE: A3

DRAWING NO.

REV.

**A-2.22**

0.00



**2 WINDOW LEDGE DETAILS- PLAN**  
 REF. S-1-01      SCALE : 1:20 (A3)

**1 WINDOW LEDGE DETAILS- ELEVATION**  
 REF. S-1-01      SCALE : 1:20 (A3)



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KEY PLAN:

REV.	DESCRIPTION	DATE



**Charter**  
ENGINEERING COMPANY  
Charter Engineering Company Private Limited  
Second floor, M.Biminee, Male', Maldives  
Email: charter.enrg@gmail.com, Mob: +(960) 782-9969

- PHASE:
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PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

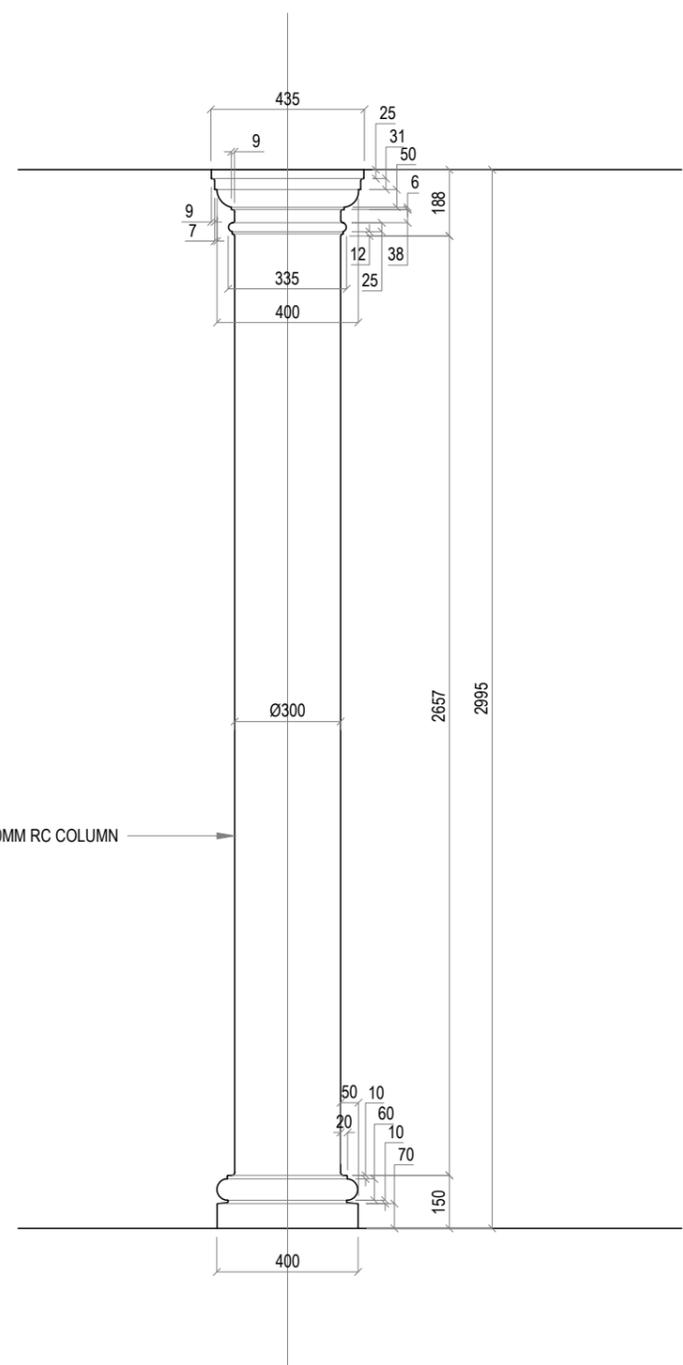
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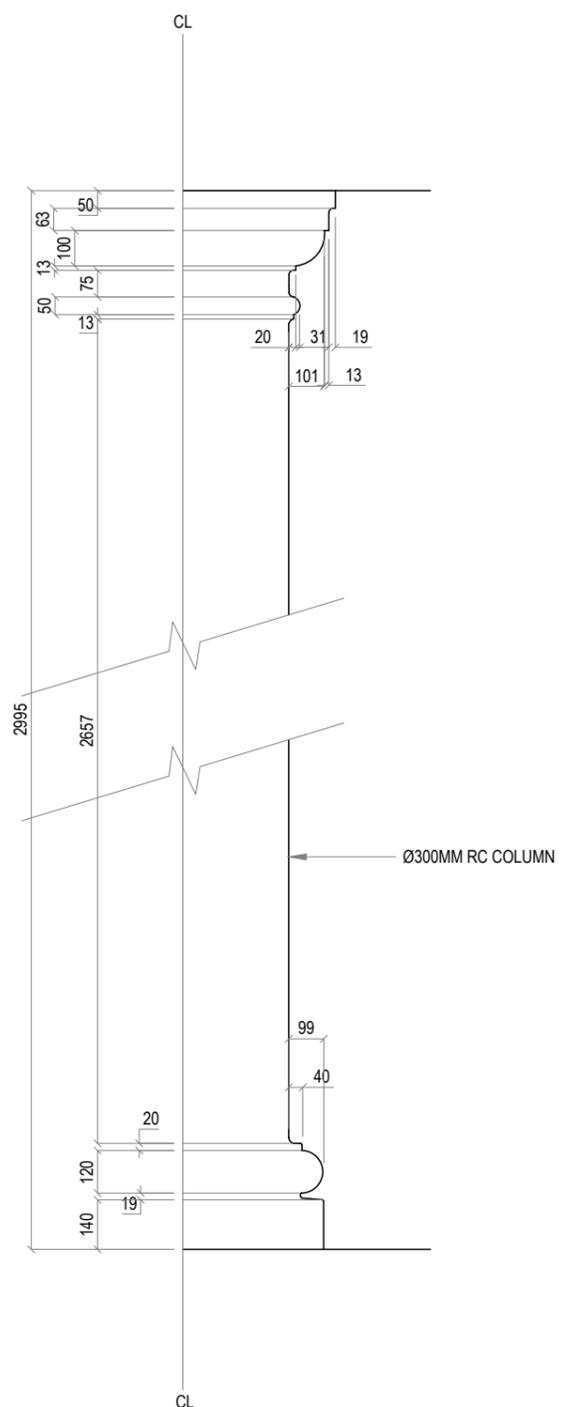
DRAWING NO.      REV.

**A-2.24**

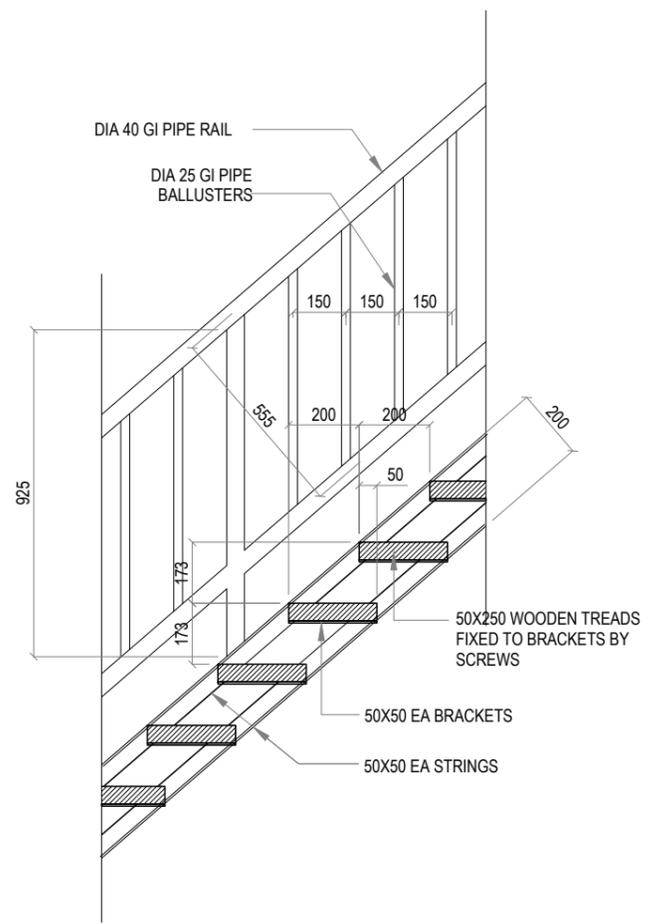
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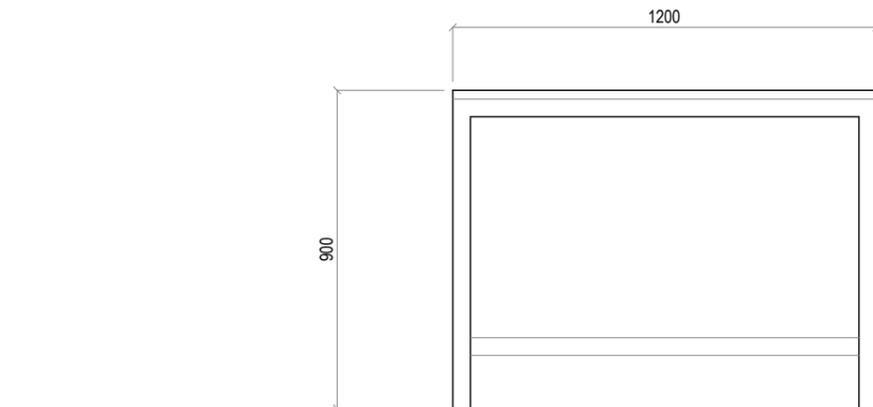
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REF. XX-00 SCALE : 1:20 (A3)



**2 COLUMN PROFILE - 2**  
REF. XX-00 SCALE : 1:20 (A3)

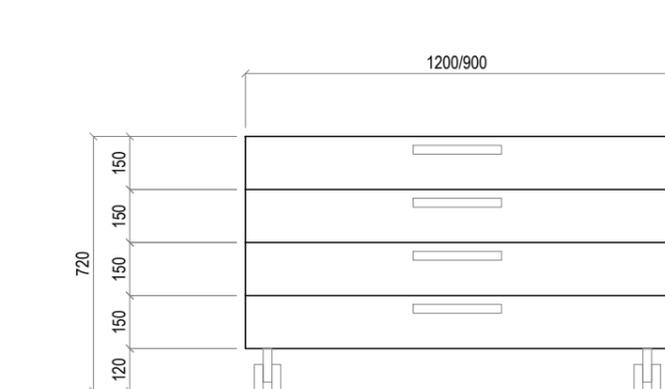


**3 SERVICE STAIR DETAILS**  
REF. XX-00 SCALE : 1:20 (A3)

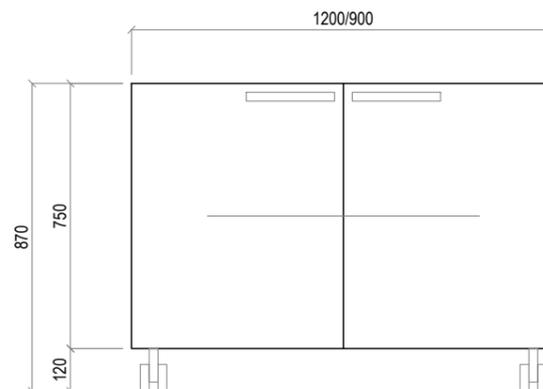


NOTE :  
LABORATORY BENCH WITH UNDERBENCH STORAGE CABINET  
UNIT DETAIL DESIGN SPECIFICATIONS TO BE PROVIDED BY CLIENT

**1** LABORATORY BENCH WITH H-FRAME DETAILS  
REF. XX-00 SCALE : 1:20 (A3)



**2** LABORATORY BENCH | OPTION-1  
REF. XX-00 SCALE : 1:20 (A3)



**3** LABORATORY BENCH | OPTION-2  
REF. XX-00 SCALE : 1:20 (A3)

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**PHASE:**

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- AS-BUILT DRAWINGS

**PROJECT:**

ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:20 SHEET SIZE: A3

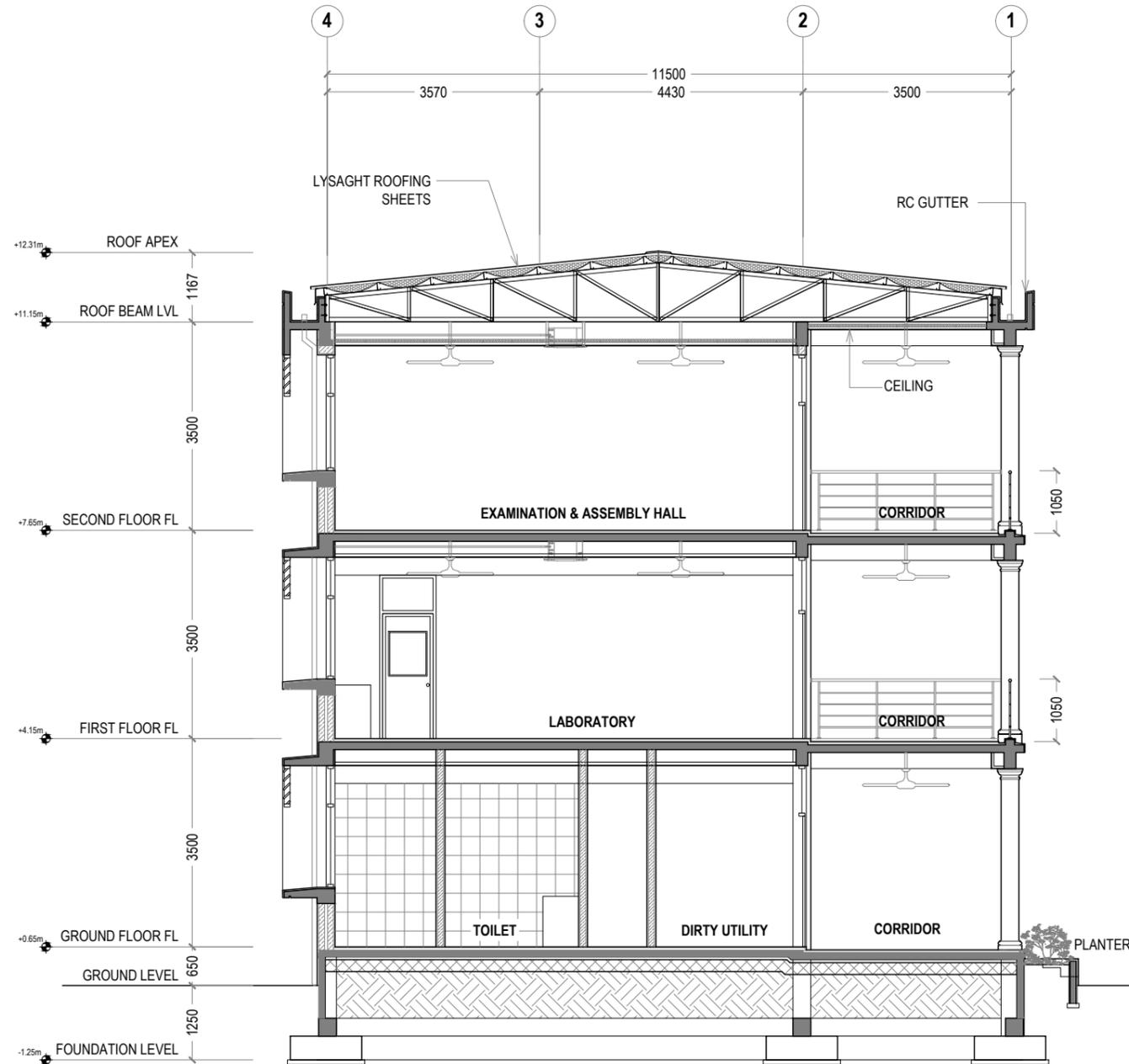
DRAWING NO.

REV.

**A-2.25**

0.00





**1 S1 | SECTION VIEW**  
REF. XX-00 SCALE : 1:100 (A3)

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KEY PLAN:

REV.	DESCRIPTION	DATE



**Charter Engineering Company Private Limited**  
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Email: charter.enrg@gmail.com, Mob: +(960) 782-9969

**PHASE:**

- CONCEPTUAL DESIGN
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**PROJECT:**

**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21

SCALE: 1:100

SHEET SIZE: A3

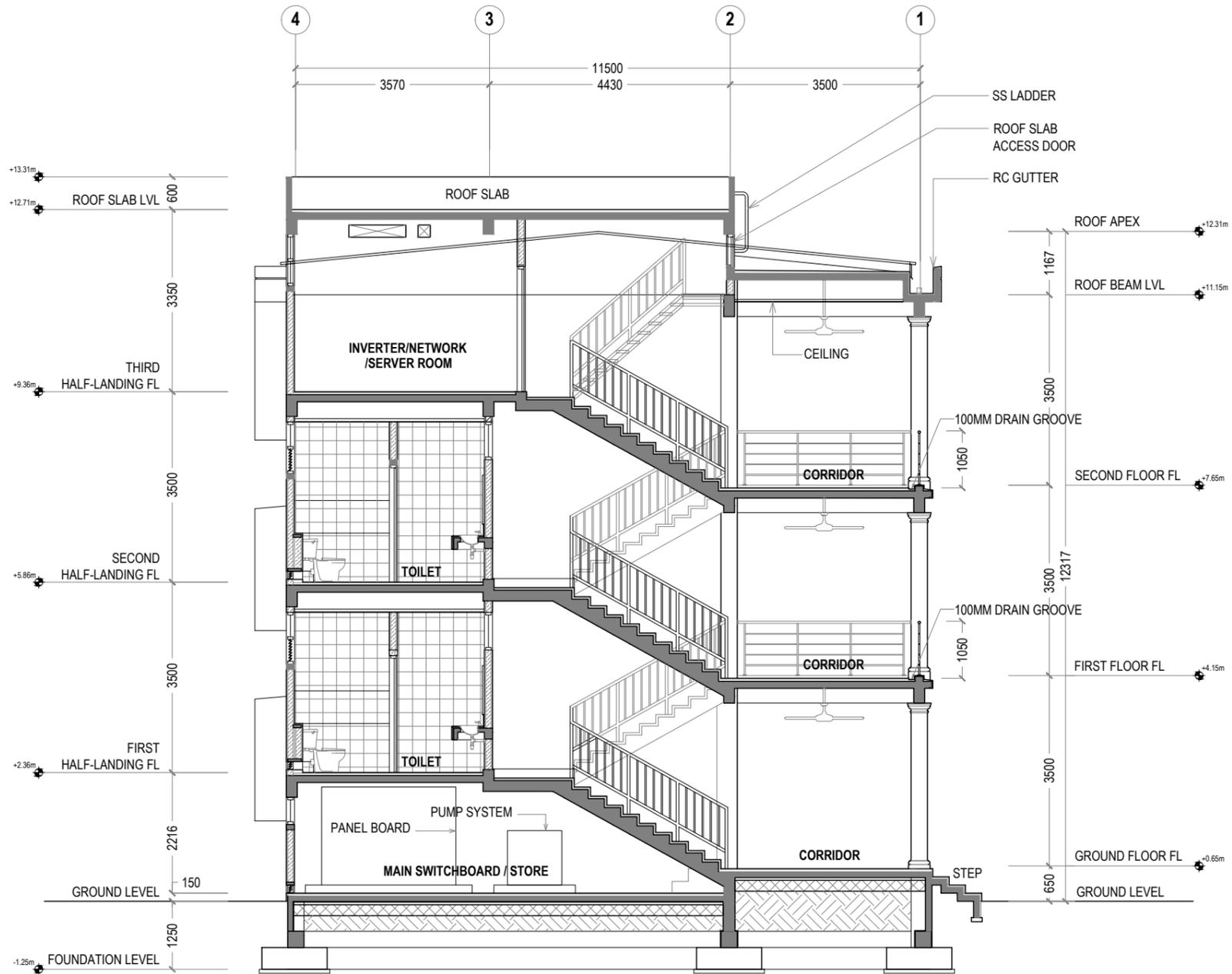
DRAWING NO.

REV.

**A-3.08**

0.00





**1 S2 | SECTION VIEW**  
REF. XX-00 SCALE : 1:100 (A3)

**GENERAL NOTES:**

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KEY PLAN:

REV.	DESCRIPTION	DATE



- PHASE:
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  - DESIGN APPROVAL
  - CONSTRUCTION DOCUMENTATION
  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY  
LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

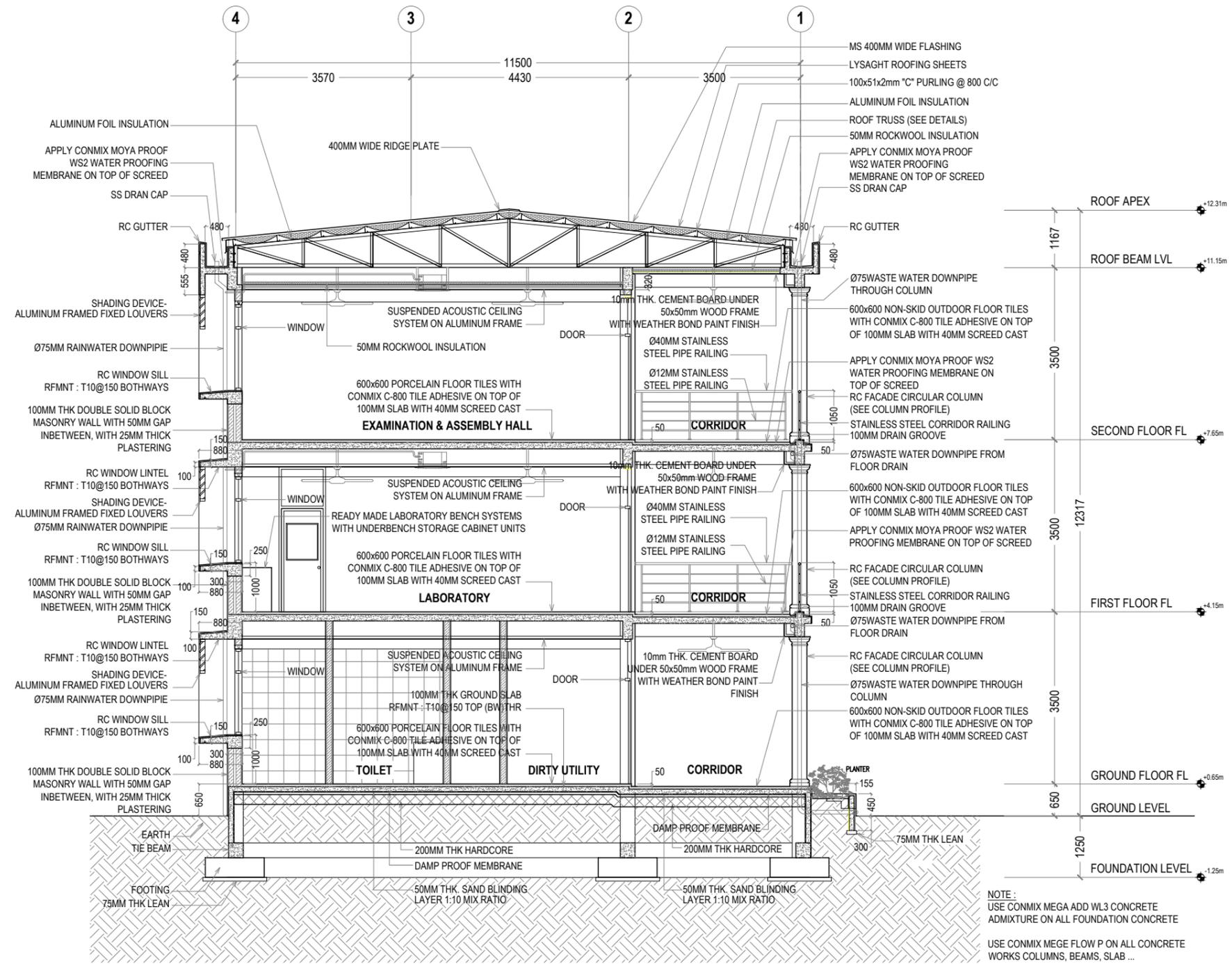
**A-3.09** 0.00



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KEY PLAN:



**1 S1 | SECTION DETAILED PLAN**  
REF. XX-00 SCALE : 1:100 (A3)

REV.	DESCRIPTION	DATE



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PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

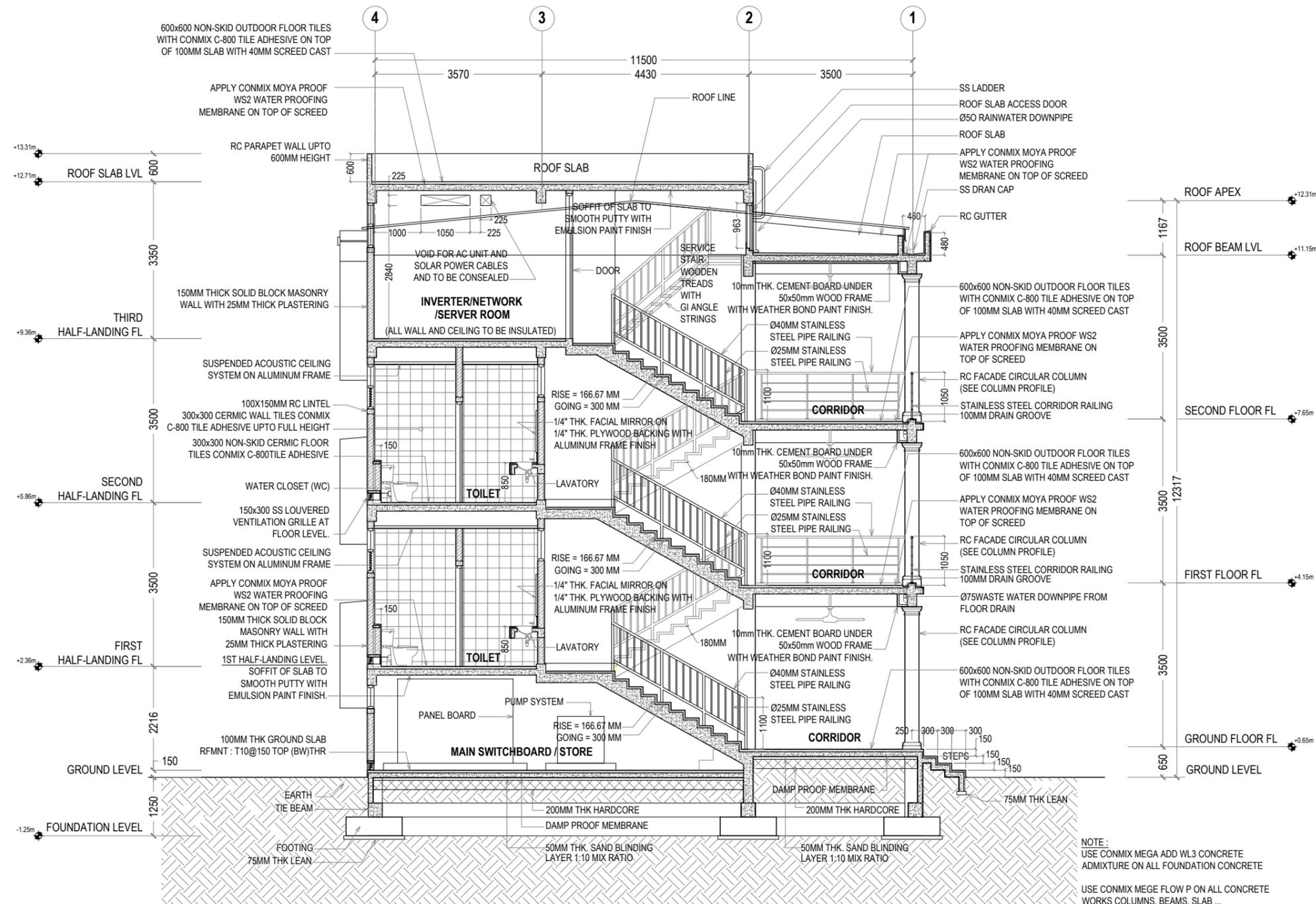
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KEY PLAN:



REV.	DESCRIPTION	DATE



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PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY  
 LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21  
 SCALE: 1:100  
 SHEET SIZE: A3

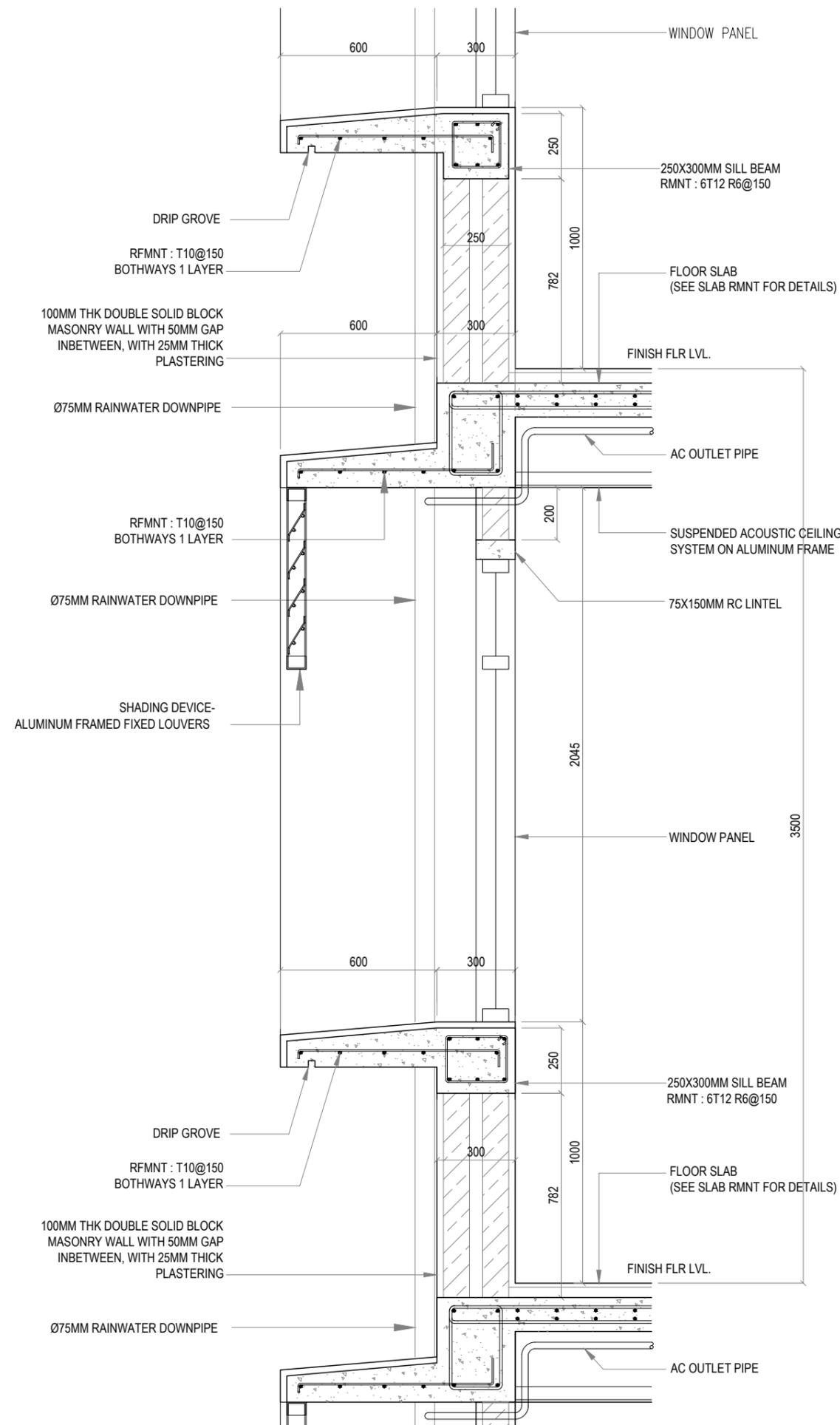
DRAWING NO. REV.

**A-3.11**

0.00



**1 S2 | SECTION DETAILED PLAN**  
 REF. XX-00 SCALE : 1:100 (A3)



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**KEY PLAN:**

REV.	DESCRIPTION	DATE



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**PHASE:**

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**PROJECT:**

**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21      SCALE: 1:20      SHEET SIZE: A3

DRAWING NO.

REV.

**A-3.23**

0.00

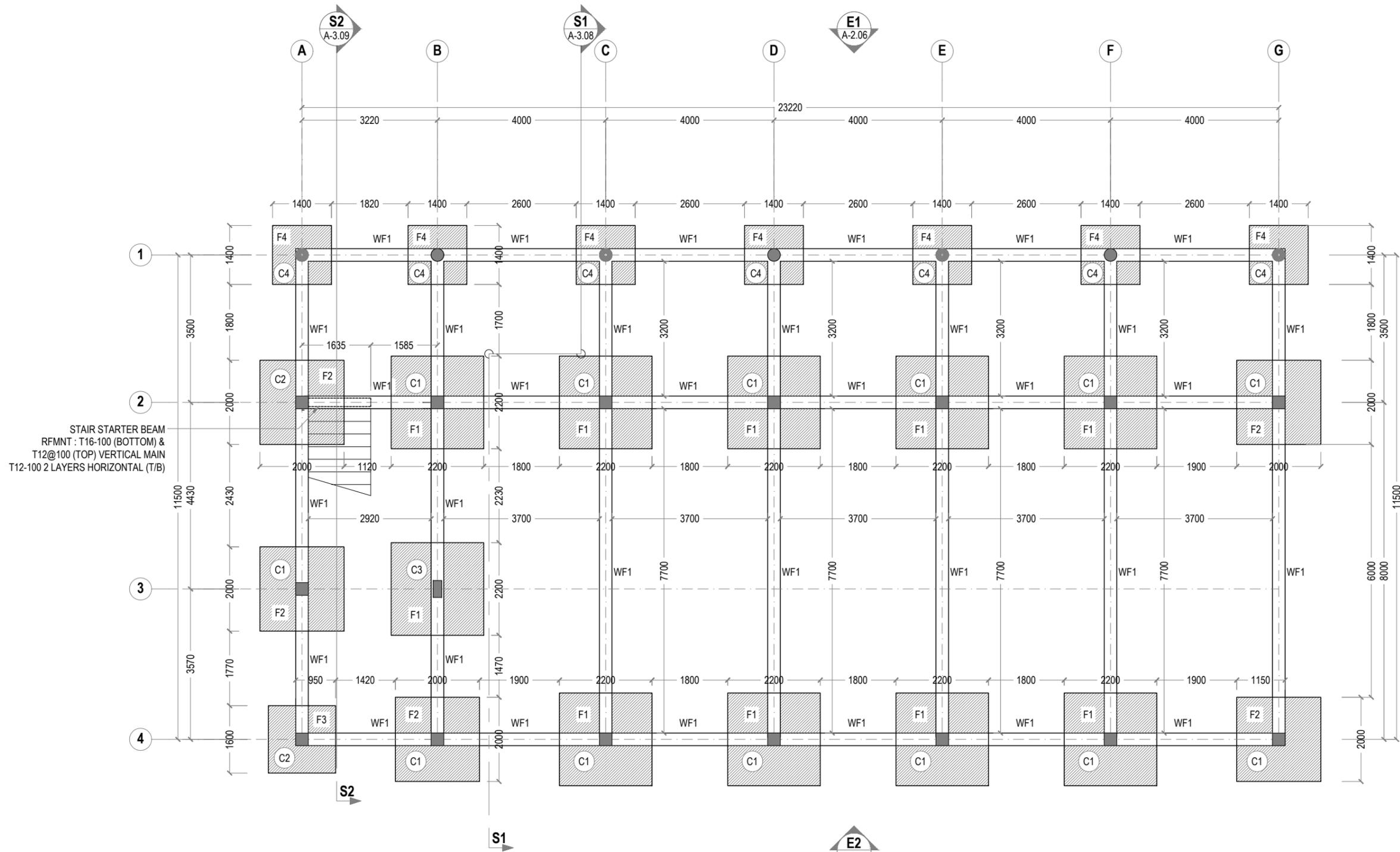
**1 S3 | WINDOW LEDGE SECTION DETAILS**  
 REF. S-1-01      SCALE : 1:20 (A3)



**GENERAL NOTES:**

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KEY PLAN:



STAIR STARTER BEAM  
RFMNT : T16-100 (BOTTOM) &  
T12@100 (TOP) VERTICAL MAIN  
T12-100 2 LAYERS HORIZONTAL (T/B)

**NOTES :**

- FOUNDATION DEPTH : 1250/1200MM
- FOUNDATION FOOTING COVER: 50MM
- BELOW GROUND CONCRETE COVER : 50MM
- COVER TO FLOOR BEAMS : 30-35MM
- COVER TO COLUMNS : 40MM
- CONCRETE MIX : 1:2:3 UNLESS OTHER STATED
- MINIMUM CONCRETE CUBE STRENGTH 25 N/MM2
- ALL FOUNDATION SHALL BE FOUND ON 50MM THICK LEAN CONCRETE
- APPLY CONMIX MOYA SHIELD RBE ON ALL SUB STRUCTURE CONCRETE AND MASONRY WALLS FOR WATER PROOFING
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.
- ADD CONMIX MEGA ADD WL1 TO ALL BELOW GROUND CONCRETE.

**1 FOUNDATION PLAN**  
REF. XX-00 SCALE : 1:100 (A3)

REV.	DESCRIPTION	DATE



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**PROJECT:**

ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

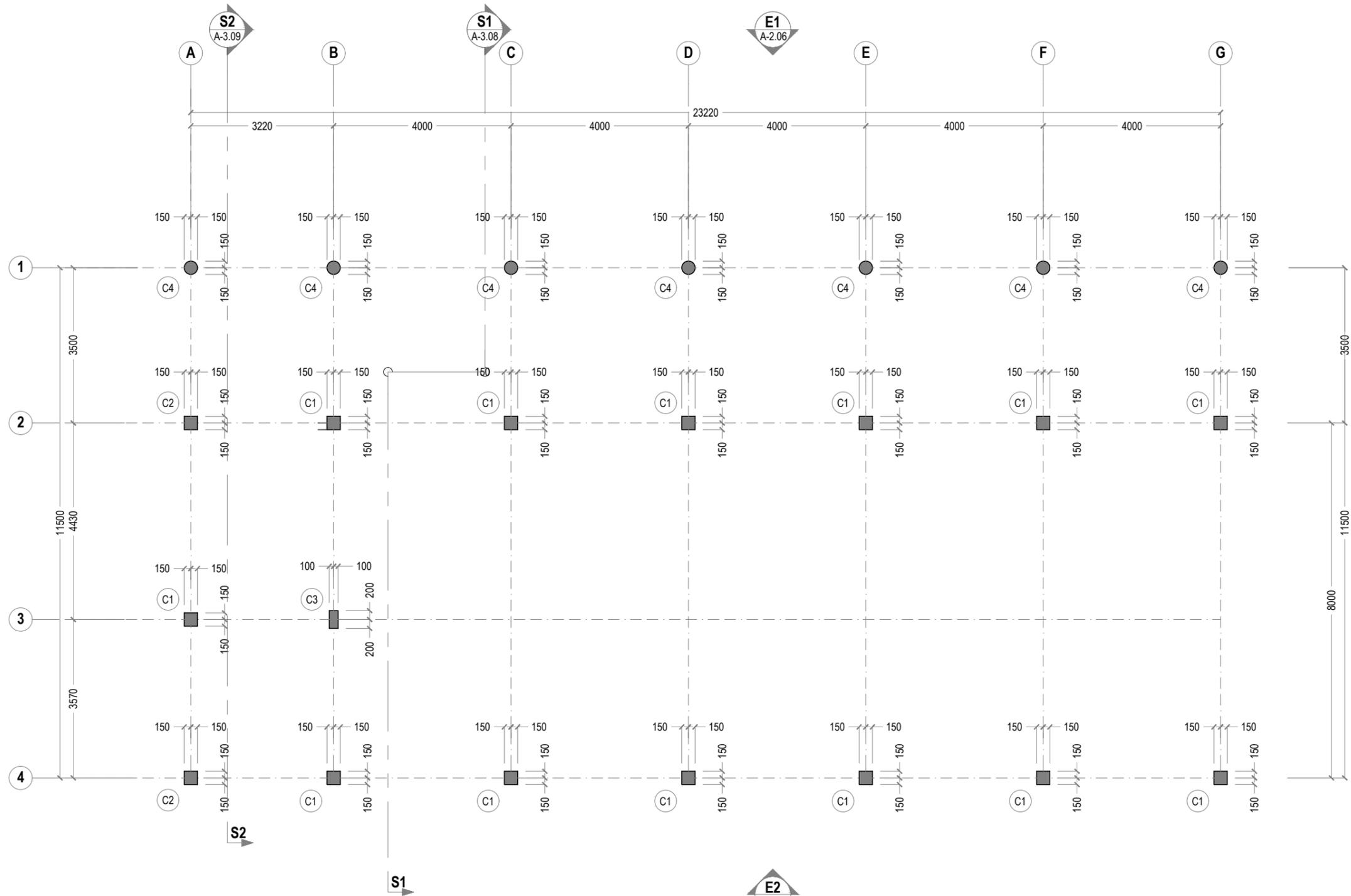
DRAWING NO.

REV.

**S-1.01**

0.00





**1 COLUMN LAYOUT**  
 REF. XX-00 SCALE : 1:100 (A3)

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REV.	DESCRIPTION	DATE



- PHASE:
- CONCEPTUAL DESIGN
  - DESIGN DEVELOPMENT
  - DESIGN APPROVAL
  - CONSTRUCTION DOCUMENTATION
  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

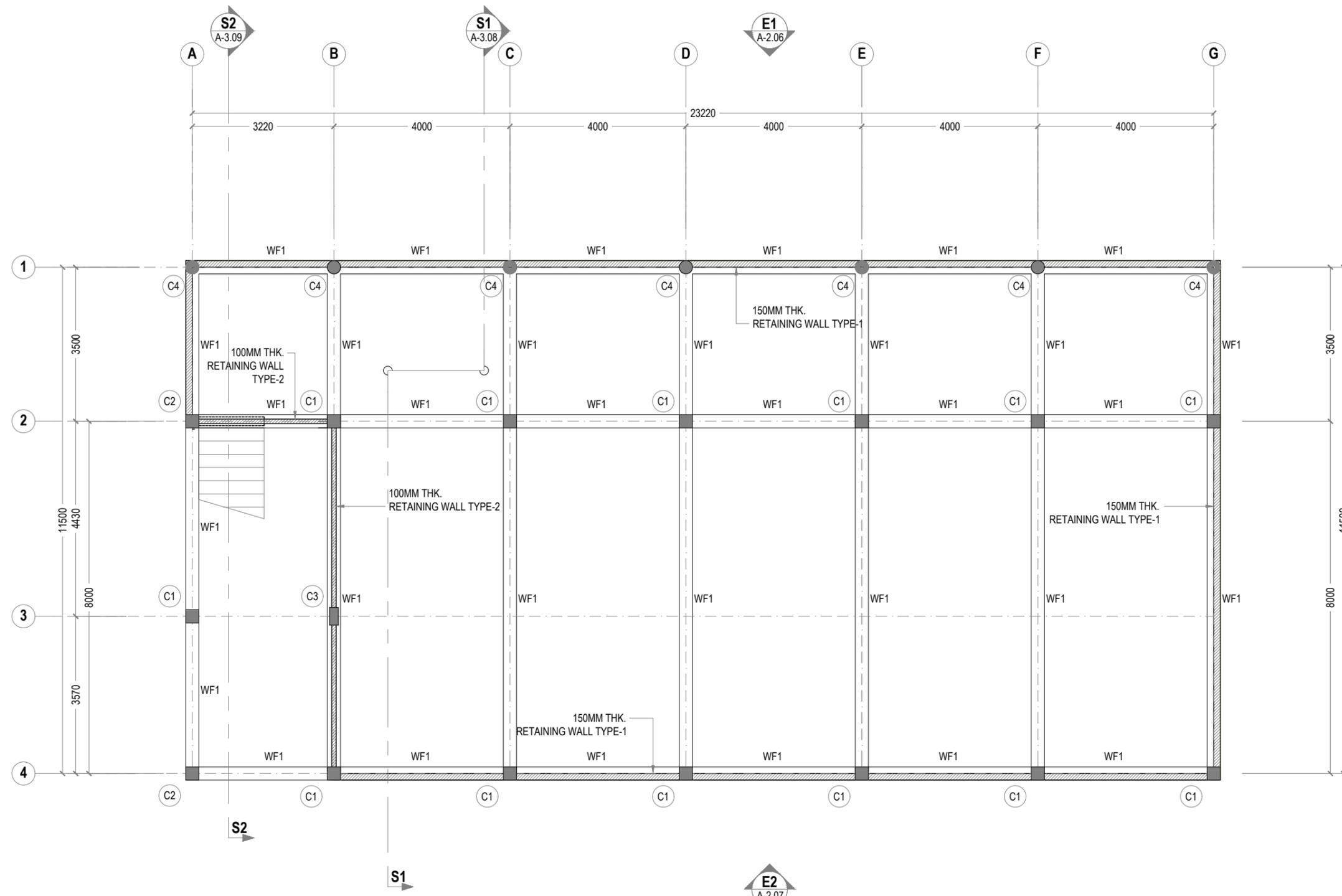
DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

**S-1.02** 0.00



**1 GROUND FLOOR RETAINING WALL**  
 REF. XX-00 SCALE : 1:100 (A3)

**GENERAL NOTES:**

- All dimensions shall be verified on site before proceeding with work.
- In case of any confusion in the structural elements, the measurements given in the structural drawings has to be followed.
- DO NOT SCALE DRAWINGS. Work to figured dimensions.
- All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE



**Charter Engineering Company Private Limited**  
 Second floor, M.Biminee, Male', Maldives  
 Email: charter.enrg@gmail.com, Mob: +(960) 782-9969

- PHASE:
- CONCEPTUAL DESIGN
  - DESIGN DEVELOPMENT
  - DESIGN APPROVAL
  - CONSTRUCTION DOCUMENTATION
  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

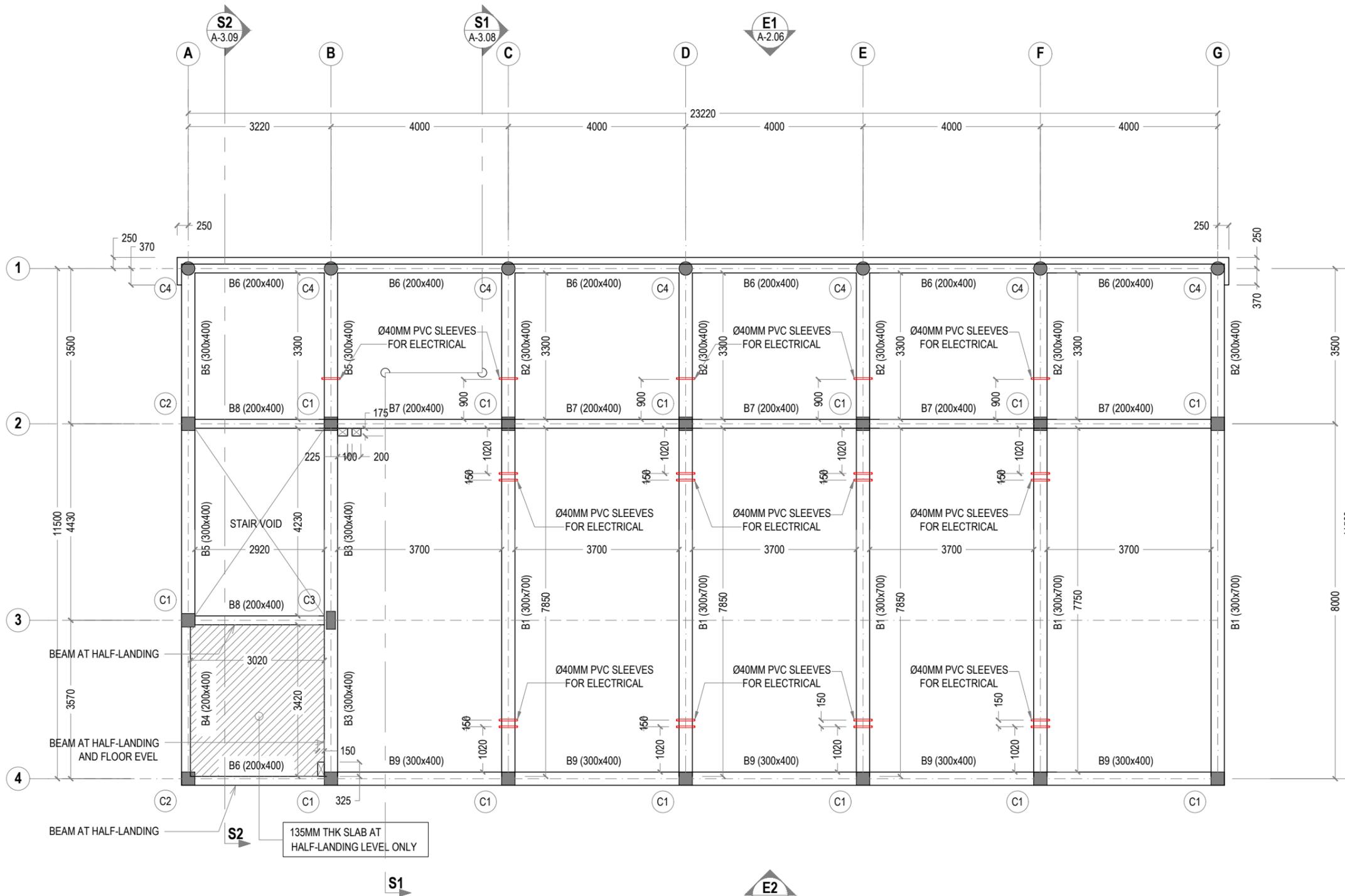
DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

**S-1.03**

0.00





- NOTES :
- SLAB THICKNESS: 135MM EXCEPT WHERE STATED
  - SLAB BOTTOM COVER: 30MM
  - COVER TO BEAMS : 30-35MM
  - COVER TO COLUMNS : 40MM
  - CONCRETE MIX : 1:2:3 UNLESS OTHER STATED
  - MINIMUM CONCRETE CUBE STRENGTH 25 N/MM<sup>2</sup>
  - ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

**1 FIRST & SECOND FLOOR BEAM PLAN**  
 REF. XX-00 SCALE : 1:100 (A3)

- GENERAL NOTES:**
- All dimensions shall be verified on site before proceeding with work.
  - In case of any confusion in the structural elements, the measurements given in the structural drawings has to be followed.
  - DO NOT SCALE DRAWINGS. Work to figured dimensions.
  - All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE



- PHASE:
- CONCEPTUAL DESIGN
  - DESIGN DEVELOPMENT
  - DESIGN APPROVAL
  - CONSTRUCTION DOCUMENTATION
  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY  
 LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

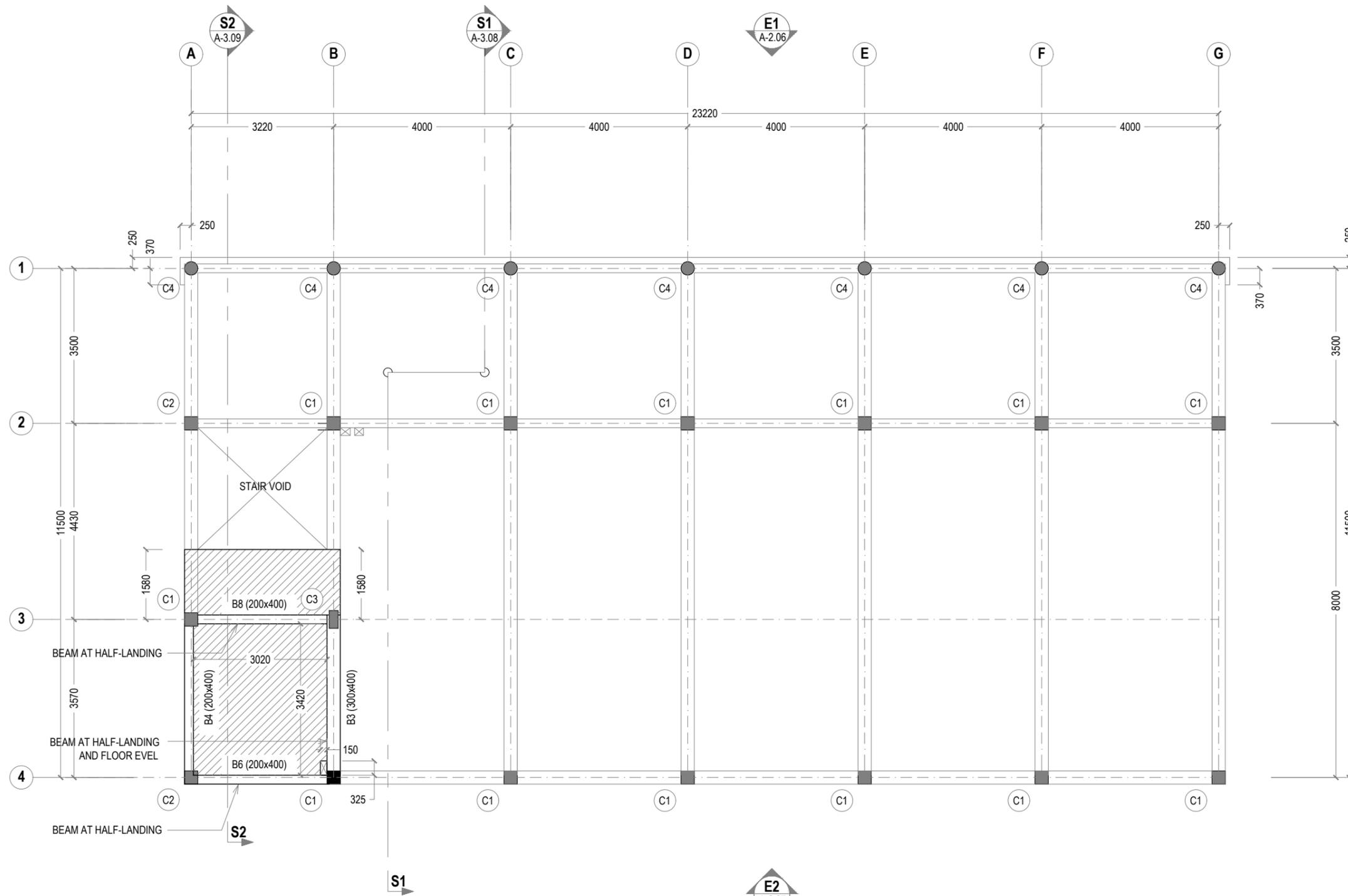
CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. REV.

**S-1.04** 0.00





- NOTES :
- SLAB THICKNESS: 135MM EXCEPT WHERE STATED
  - SLAB BOTTOM COVER: 30MM
  - COVER TO BEAMS : 30-35MM
  - COVER TO COLUMNS : 40MM
  - CONCRETE MIX : 1:2:3 UNLESS OTHER STATED
  - MINIMUM CONCRETE CUBE STRENGTH 25 N/MM2
  - ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

**1 THIRD HALF-LANDING LEVEL BEAM PLAN**  
 REF. XX-00 SCALE : 1:100 (A3)

- GENERAL NOTES:**
- All dimensions shall be verified on site before proceeding with work.
  - In case of any confusion in the structural elements, the measurements given in the structural drawings has to be followed.
  - DO NOT SCALE DRAWINGS. Work to figured dimensions.
  - All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE



- PHASE:
- CONCEPTUAL DESIGN
  - DESIGN DEVELOPMENT
  - DESIGN APPROVAL
  - CONSTRUCTION DOCUMENTATION
  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21

SCALE: 1:100

SHEET SIZE: A3

DRAWING NO. **S-1.05**

REV. 0.00

**GENERAL NOTES:**

- All dimensions shall be verified on site before proceeding with work.
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KEY PLAN:

REV.	DESCRIPTION	DATE



Charter Engineering Company Private Limited  
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**PHASE:**

- CONCEPTUAL DESIGN
- DESIGN DEVELOPMENT
- DESIGN APPROVAL
- CONSTRUCTION DOCUMENTATION
- AS-BUILT DRAWINGS

**PROJECT:**  
 ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

**CLIENT:** MALDIVES NATIONAL UNIVERSITY

**LOCATION:** GDH.THINADHOO

**DISCIPLINE:** STRUCTURAL

**DRAWN BY:** ISMAIL

**DESIGNED BY:**

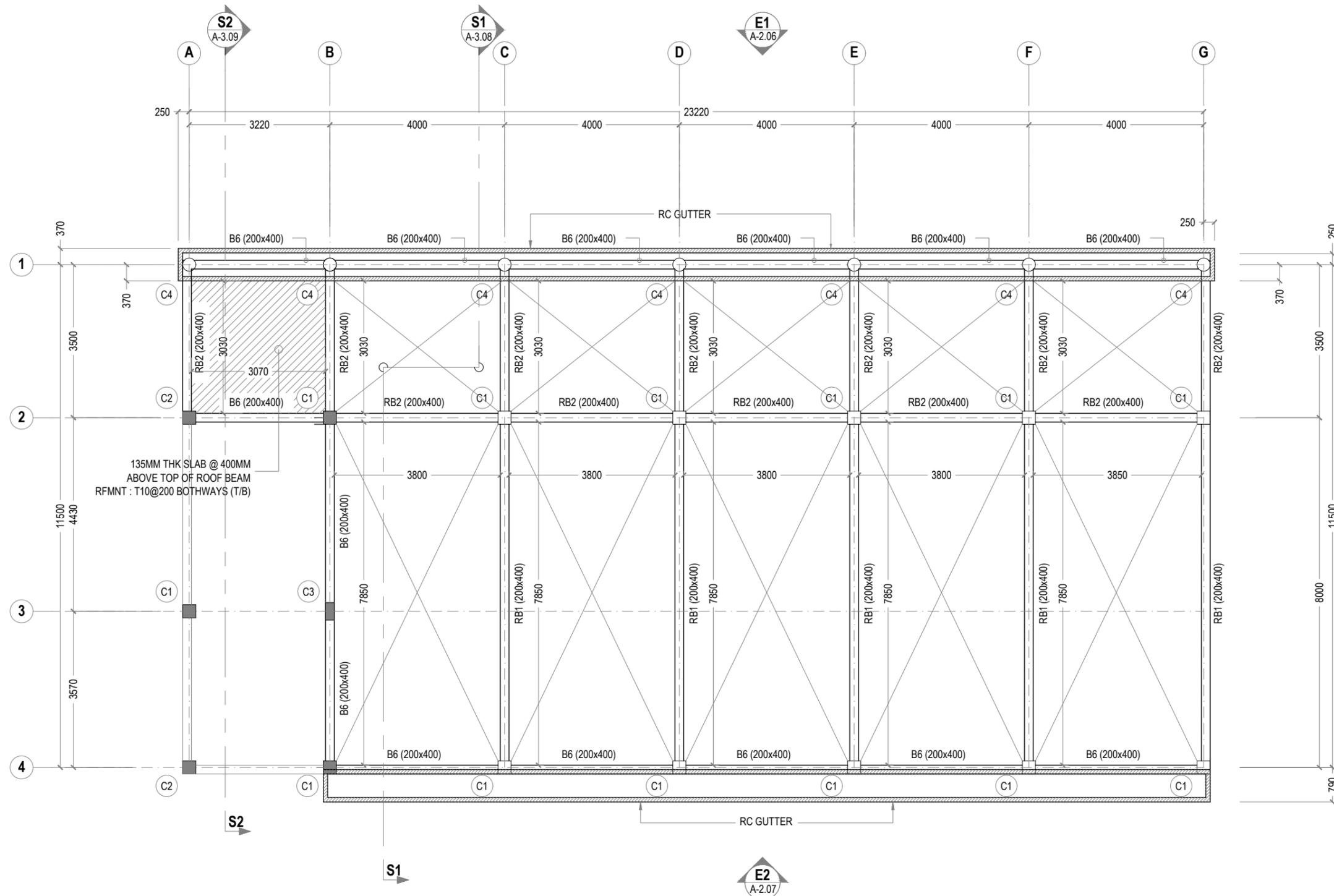
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**DATE:** Jan 21      **SCALE:** 1:100      **SHEET SIZE:** A3

**DRAWING NO.**      **REV.**

**S-1.06**

0.00



**NOTES :**

- SLAB THICKNESS: 135MM EXCEPT WHERE STATED
- SLAB BOTTOM COVER: 30MM
- COVER TO BEAMS : 30-35MM
- COVER TO COLUMNS : 40MM
- CONCRETE MIX : 1:2:3 UNLESS OTHER STATED
- MINIMUM CONCRETE CUBE STRENGTH 25 N/MM2
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

**1 LOWER ROOF BEAM PLAN**  
 REF. XX-00      SCALE : 1:100 (A3)

**GENERAL NOTES:**

- All dimensions shall be verified on site before proceeding with work.
- In case of any confusion in the structural elements, the measurements given in the structural drawings has to be followed.
- DO NOT SCALE DRAWINGS. Work to figured dimensions.
- All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE



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PHASE:

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- DESIGN APPROVAL
- CONSTRUCTION DOCUMENTATION
- AS-BUILT DRAWINGS

PROJECT:

ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

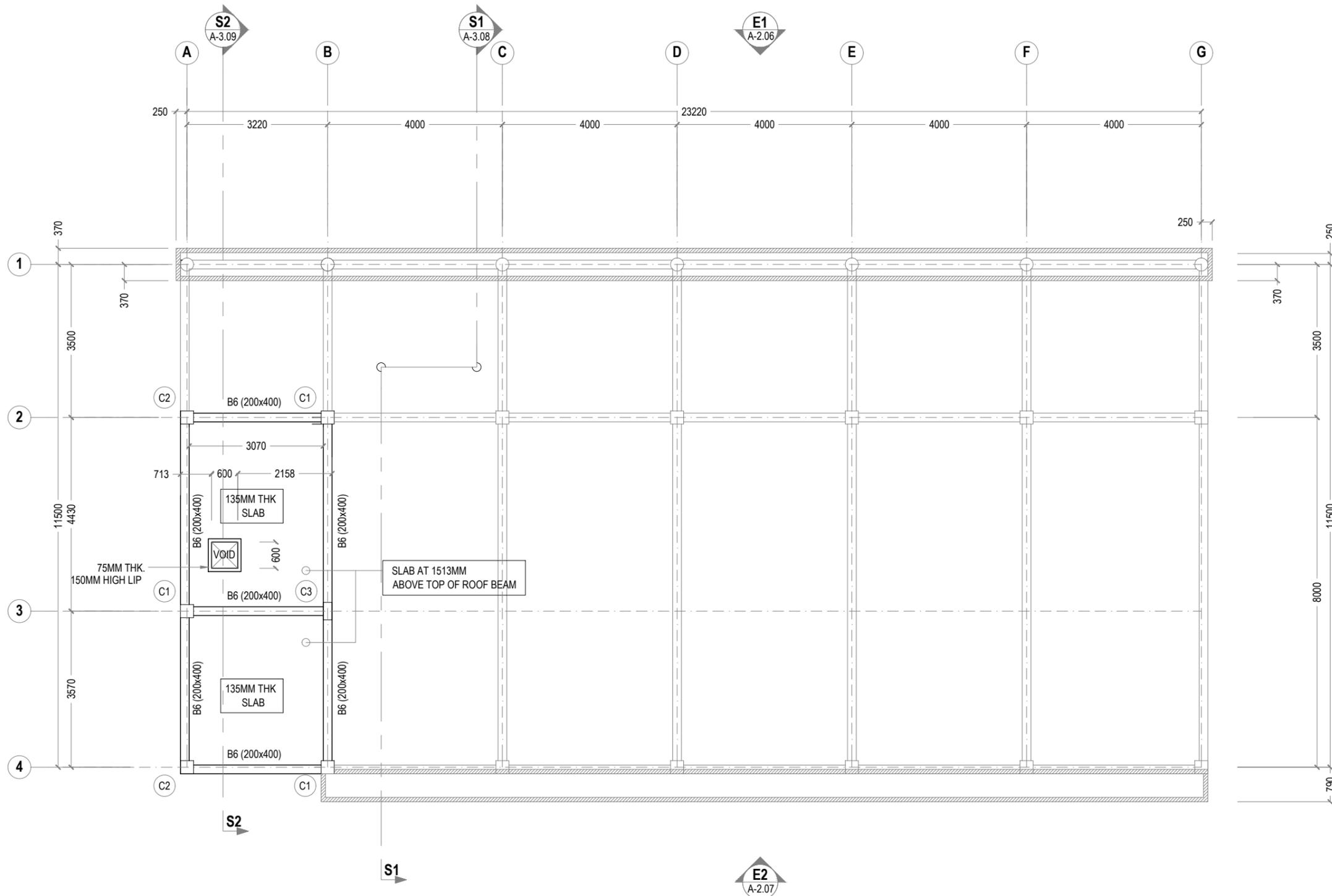
DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO.

REV.

**S-1.07**

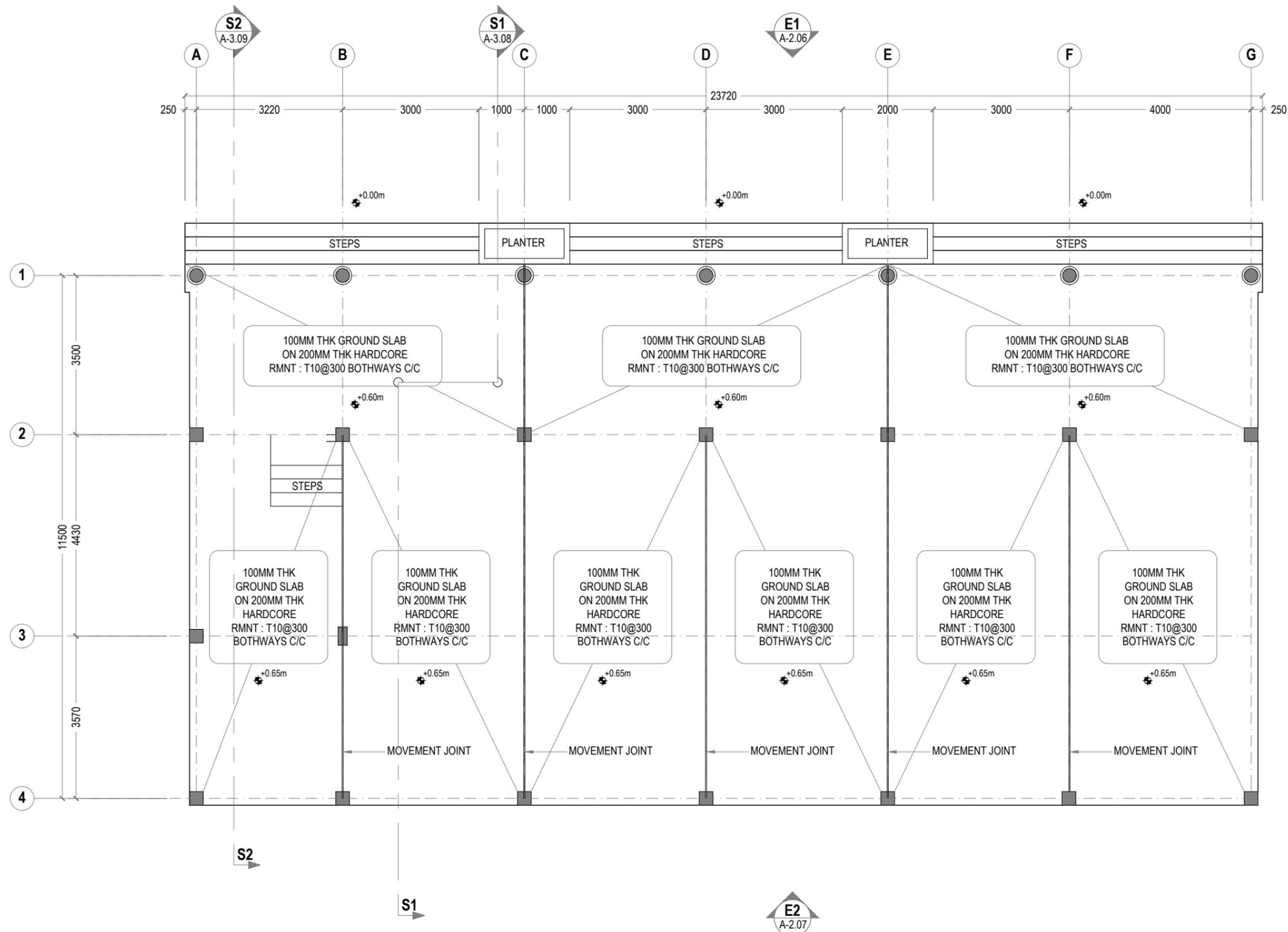
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NOTES :

- SLAB THICKNESS: 135MM EXCEPT WHERE STATED
- SLAB BOTTOM COVER: 30MM
- COVER TO BEAMS : 30-35MM
- COVER TO COLUMNS : 40MM
- CONCRETE MIX : 1:2:3 UNLESS OTHER STATED
- MINIMUM CONCRETE CUBE STRENGTH 25 N/MM2
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

**1 UPPER ROOF BEAM PLAN**  
 REF. XX-00 SCALE : 1:100 (A3)



**1 GROUND SLAB LAYOUT**  
 REF. XX-00 SCALE: 1:100 (A3)

**GENERAL NOTES:**

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- In case of any confusion in the structural elements, the measurements given in the structural drawings has to be followed.
- DO NOT SCALE DRAWINGS. Work to figured dimensions.
- All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE

REV.	DESCRIPTION	DATE

**charter**  
 ENGINEERING COMPANY  
 Charter Engineering Company Private Limited  
 Second floor, M.Biminee, Male', Maldives  
 Email: charter.enrg@gmail.com, Mob: +(960) 782-9969

- PHASE:
- CONCEPTUAL DESIGN
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  - CONSTRUCTION DOCUMENTATION
  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY  
 LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

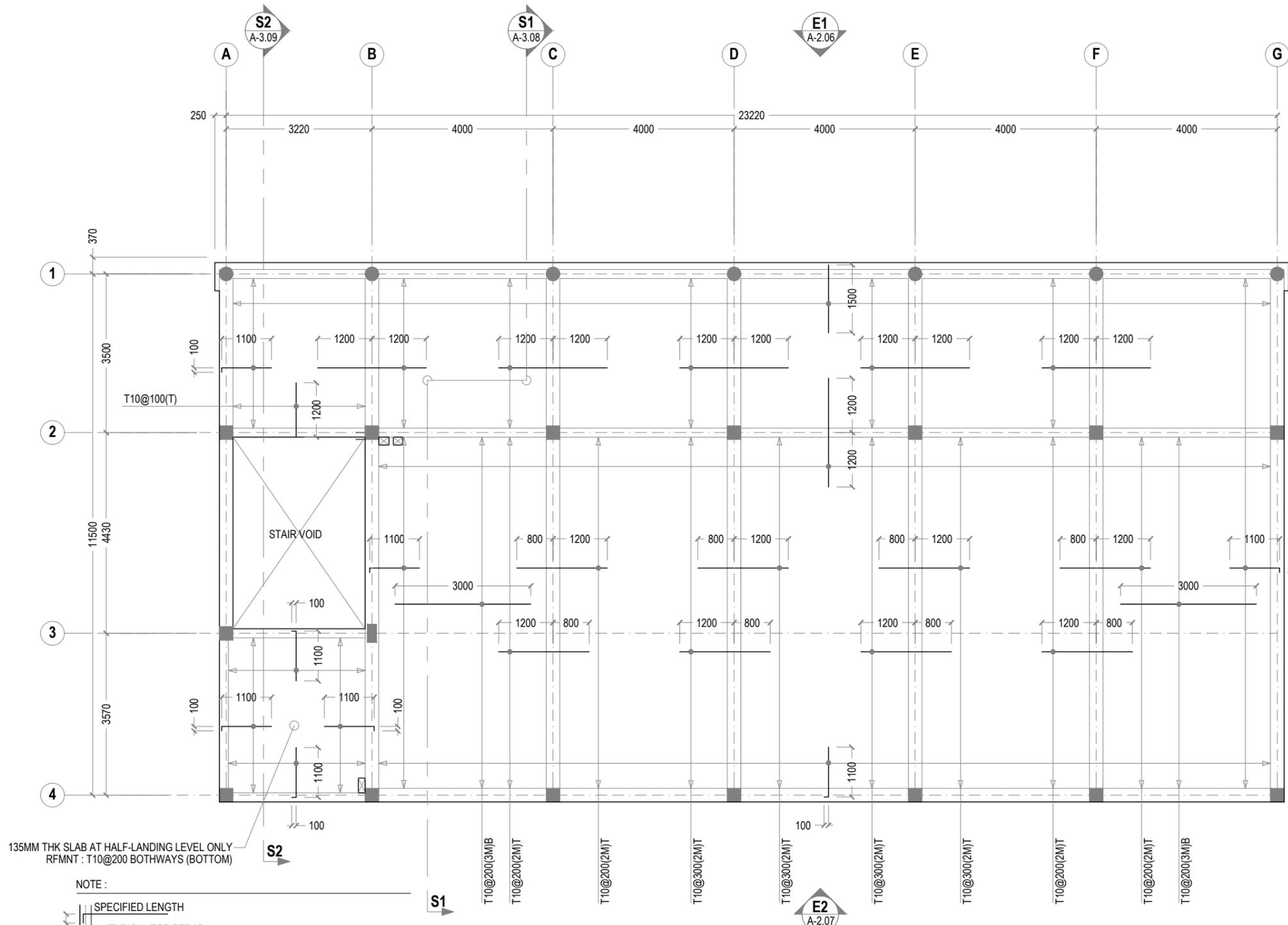
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CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

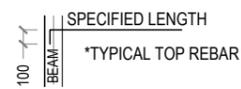
DRAWING NO.	REV.
<b>S-1.08</b>	0.00





135MM THK SLAB AT HALF-LANDING LEVEL ONLY  
RFMNT : T10@200 BOTHWAYS (BOTTOM)

**NOTE :**



- SLAB THICKNESS: 135MM
- SLAB BOTTOM COVER: 30MM
- SLAB TOP COVER: 25MM
- SLAB BOTTOM REINFORCEMENT: T10-200 BW THROUGH OUT (UNLESS SPECIFIED OTHERWISE) NOT SHOWN
- SLAB TOP MAIN REINFORCEMENT : T10-200 (AS SHOWN)
- SLAB TOP DISTRIBUTION REINFORCEMENT: T10-300 (NOT SHOWN)
- CURTAIL REBARS OVER OPENINGS
- PROVIDE EXTRA ADDITIONAL REINFORCEMENT AS SPECIFIED
- FCU=25 N/MM2
- ADD CONMIX MEGAFLW P TO ALL SUPER STRUCTURE CONCRETE

**1 FIRST & SECOND FLR SLAB REINFORCEMENT PLAN**  
REF. XX-00 SCALE : 1:100 (A3)

- GENERAL NOTES:**
- All dimensions shall be verified on site before proceeding with work.
  - In case of any confusion in the structural elements, the measurements given in the structural drawings has to be followed.
  - DO NOT SCALE DRAWINGS. Work to figured dimensions.
  - All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE



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  - AS-BUILT DRAWINGS

**PROJECT:**  
ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

**CLIENT:** MALDIVES NATIONAL UNIVERSITY  
**LOCATION:** GDH.THINADHOO

**DISCIPLINE:** STRUCTURAL

**DRAWN BY:** ISMAIL

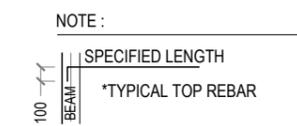
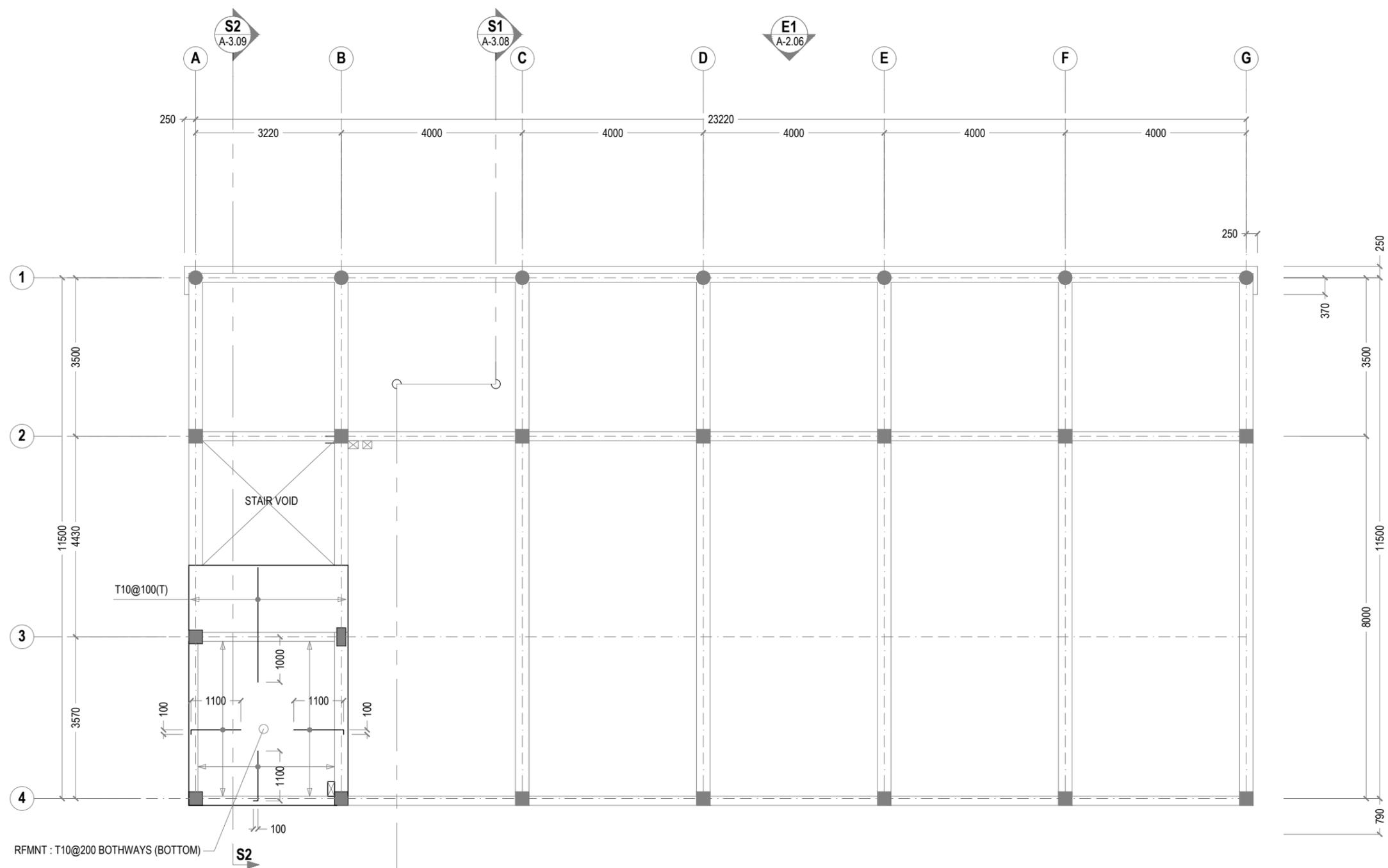
**DESIGNED BY:**

**CHECKED BY:** CEC

**DATE:** Jan 21 **SCALE:** 1:100 **SHEET SIZE:** A3

**DRAWING NO.** S-1.09 **REV.** 0.00





- NOTE :
- SLAB THICKNESS: 135MM
  - SLAB BOTTOM COVER: 30MM
  - SLAB TOP COVER: 25MM
  - SLAB BOTTOM REINFORCEMENT: T10-200 BW THROUGH OUT (UNLESS SPECIFIED OTHERWISE) NOT SHOWN
  - SLAB TOP MAIN REINFORCEMENT : T10-200 (AS SHOWN)
  - SLAB TOP DISTRIBUTION REINFORCEMENT: T10-300 (NOT SHOWN)
  - CURTAIL REBARS OVER OPENINGS
  - PROVIDE EXTRA ADDITIONAL REINFORCEMENT AS SPECIFIED
  - FCU=25 N/MM2
  - ADD CONMIX MEGAFLOW P TO ALL SUPER STRUCTURE CONCRETE

**1 THIRD HALF-LANDING LVL SLAB REINFORCEMENT PLAN**  
 REF. XX-00 SCALE : 1:100 (A3)

- GENERAL NOTES:**
- All dimensions shall be verified on site before proceeding with work.
  - In case of any confusion in the structural elements, the measurements given in the structural drawings has to be followed.
  - DO NOT SCALE DRAWINGS. Work to figured dimensions.
  - All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE

REV.	DESCRIPTION	DATE

**Charter**  
 ENGINEERING COMPANY  
 Charter Engineering Company Private Limited  
 Second floor, M.Biminee, Male', Maldives  
 Email: charter.enrg@gmail.com, Mob: +(960) 782-9969

- PHASE:
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  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY  
 LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:100 SHEET SIZE: A3

DRAWING NO. **S-1.10** REV. 0.00



**GENERAL NOTES:**

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KEY PLAN:

REV.	DESCRIPTION	DATE



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PHASE:

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PROJECT:

ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

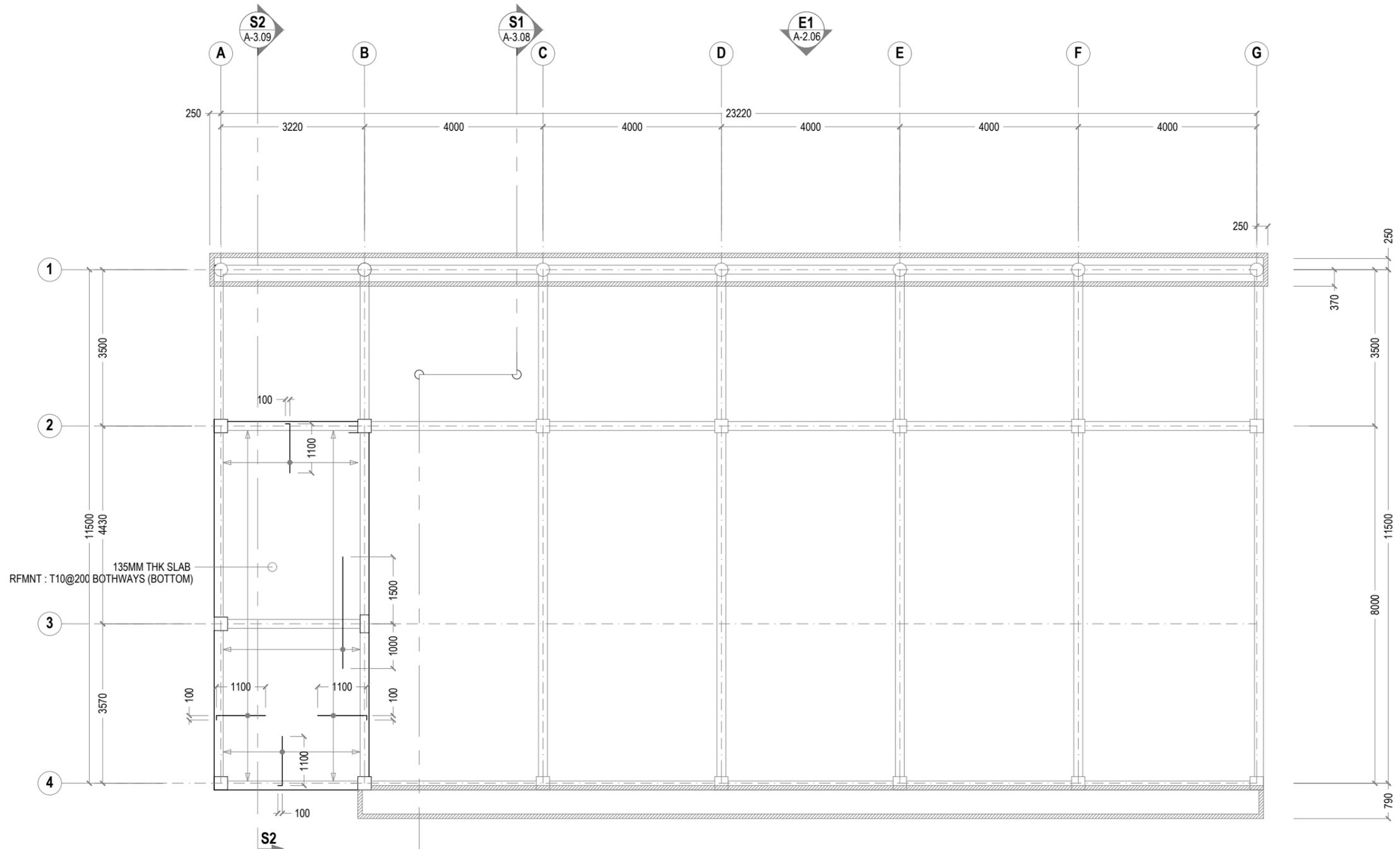
CHECKED BY: CEC

DATE: Jan 21      SCALE: 1:100      SHEET SIZE: A3

DRAWING NO.      REV.

**S-1.11**

0.00



NOTE :

- SPECIFIED LENGTH
- TYPICAL TOP REBAR

- SLAB THICKNESS: 135MM
- SLAB BOTTOM COVER: 30MM
- SLAB TOP COVER: 25MM
- SLAB BOTTOM REINFORCEMENT: T10-200 BW THROUGH OUT (UNLESS SPECIFIED OTHERWISE) NOT SHOWN
- SLAB TOP MAIN REINFORCEMENT : T10-200 (AS SHOWN)
- SLAB TOP DISTRIBUTION REINFORCEMENT: T10-300 (NOT SHOWN)
- CURTAIL REBARS OVER OPENINGS
- PROVIDE EXTRA ADDITIONAL REINFORCEMENT AS SPECIFIED
- FCU=25 N/MM2
- ADD CONMIX MEGAFLOW P TO ALL SUPER STRUCTURE CONCRETE

**1 ROOF BEAM REINFORCEMENT PLAN**  
 REF. XX-00      SCALE : 1:100 (A3)



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KEY PLAN:

REV.	DESCRIPTION	DATE



**Charter**  
ENGINEERING COMPANY  
Charter Engineering Company Private Limited  
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Email: charter.enrg@gmail.com, Mob: +(960) 782-9969

**PHASE:**

- CONCEPTUAL DESIGN
- DESIGN DEVELOPMENT
- DESIGN APPROVAL
- CONSTRUCTION DOCUMENTATION
- AS-BUILT DRAWINGS

**PROJECT:**

**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: STRUCTURAL

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

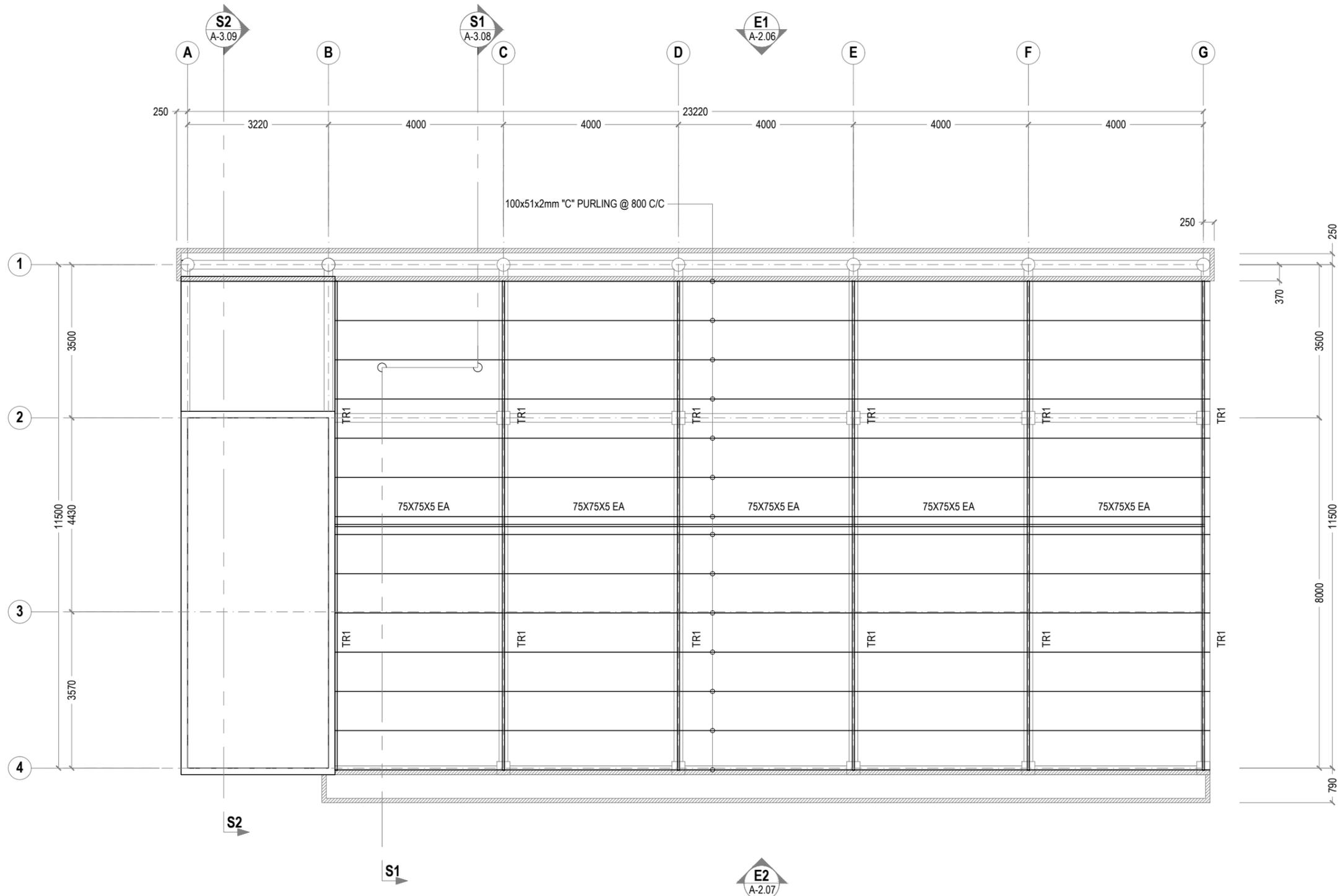
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DRAWING NO.

REV.

**S-1.12**

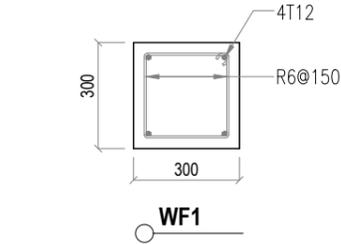
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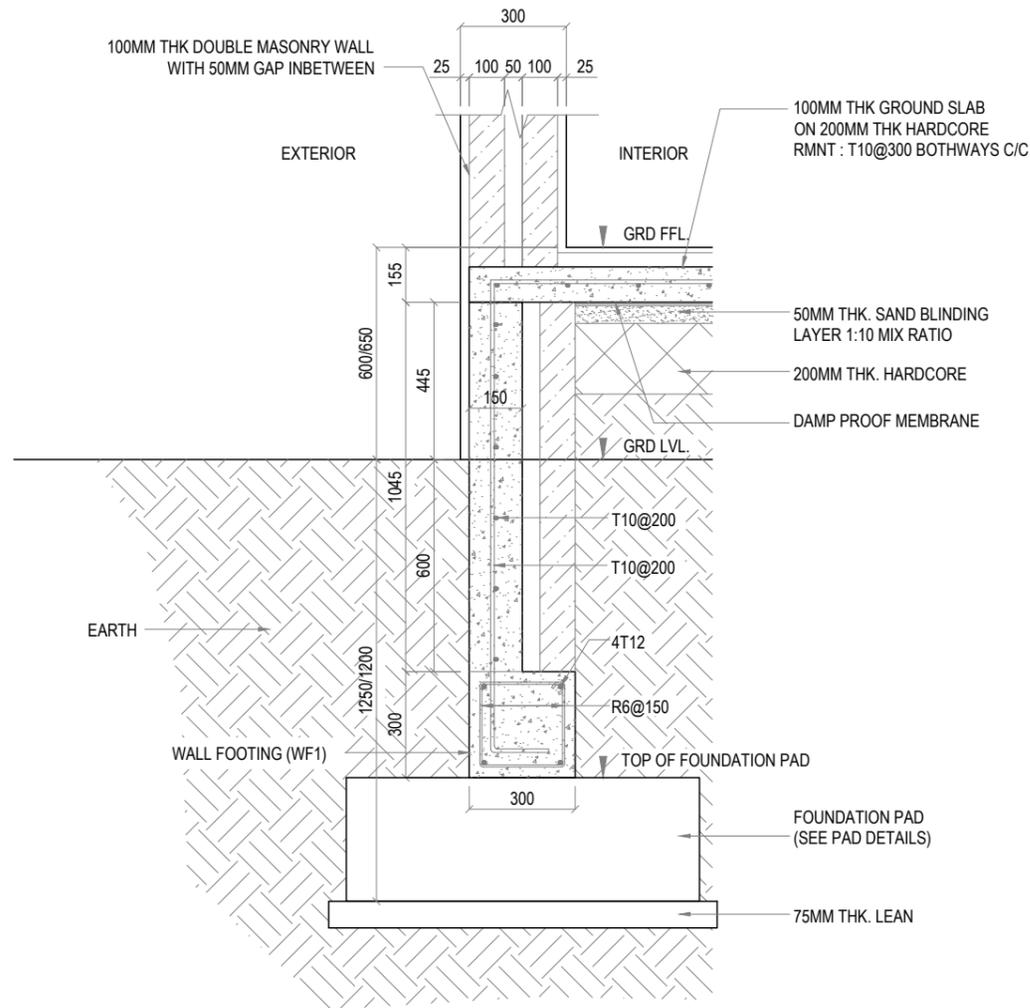
**1 ROOF STRUCTURE LAYOUT**  
REF. XX-00      SCALE : 1:100 (A3)

FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT	FOUNDATION BOTTOM
F1	2200	2200	350	T16@100mm C/C BW BOTTOM	1250MM BELOW GRD
F2	2000	2000	350	T16@150mm C/C BW BOTTOM	1250MM BELOW GRD
F3	1600	1600	300	T12@100mm C/C BW BOTTOM	1200MM BELOW GRD
F4	1400	1400	300	T12@150mm C/C BW BOTTOM	1200MM BELOW GRD

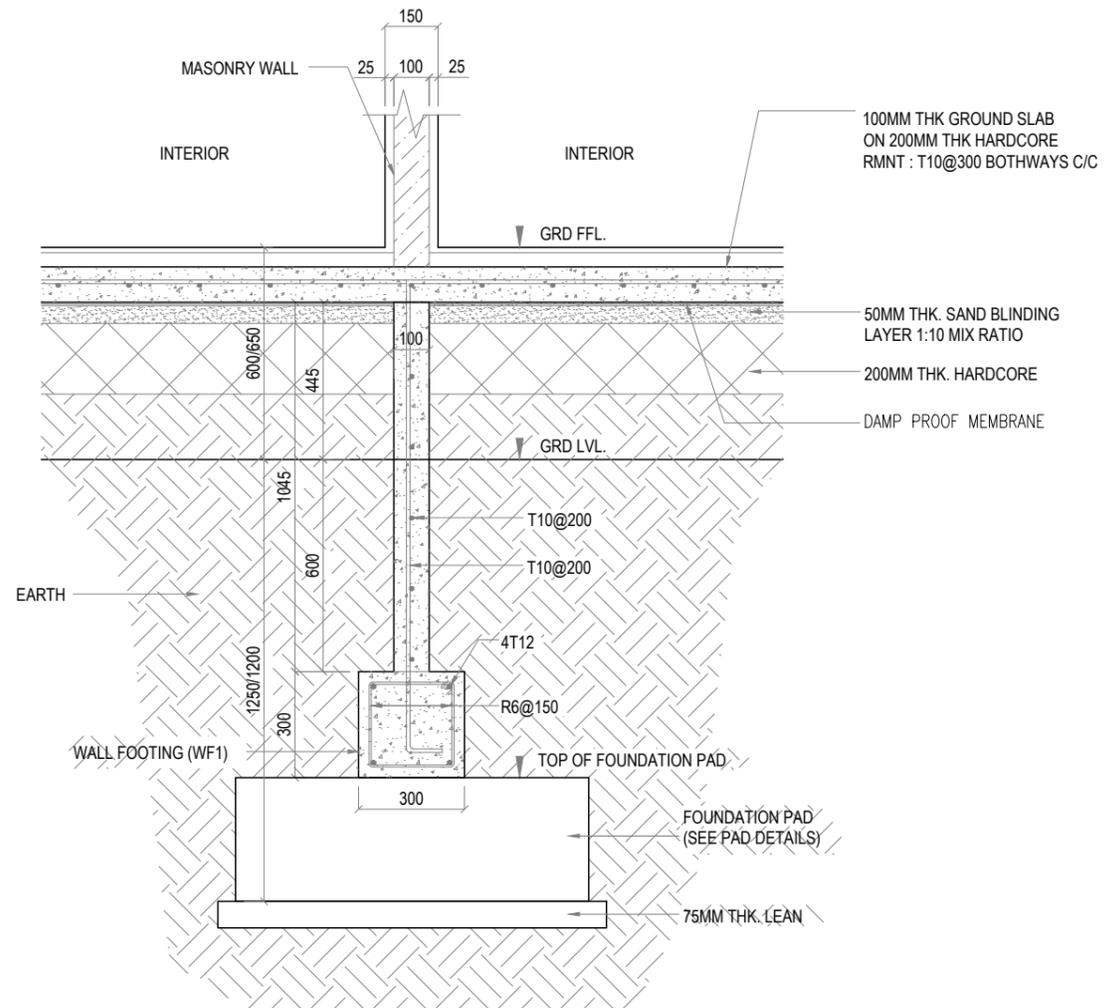
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**2 WALL FOOTING DETAILS**  
REF. XX-00 SCALE : 1:20 (A3)



**3 RETAINING WALL TYPE -1 DETAIL**  
REF. XX-00 SCALE : 1:20 (A3)



**4 RETAINING WALL TYPE -2 DETAIL**  
REF. XX-00 SCALE : 1:20 (A3)

**GENERAL NOTES:**

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KEY PLAN:

REV.	DESCRIPTION	DATE



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PHASE:

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- AS-BUILT DRAWINGS

PROJECT:  
ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: DETAILS

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:20 SHEET SIZE: A3

DRAWING NO. REV.

**S-5.13**

0.00



LEVELS	C1	C2	C3	C4
SECOND FLOOR LEVEL AND ABOVE				
FIRST AND SECOND FLOOR LEVEL				
GROUND TO FIRST FLOOR SLAB LEVEL				

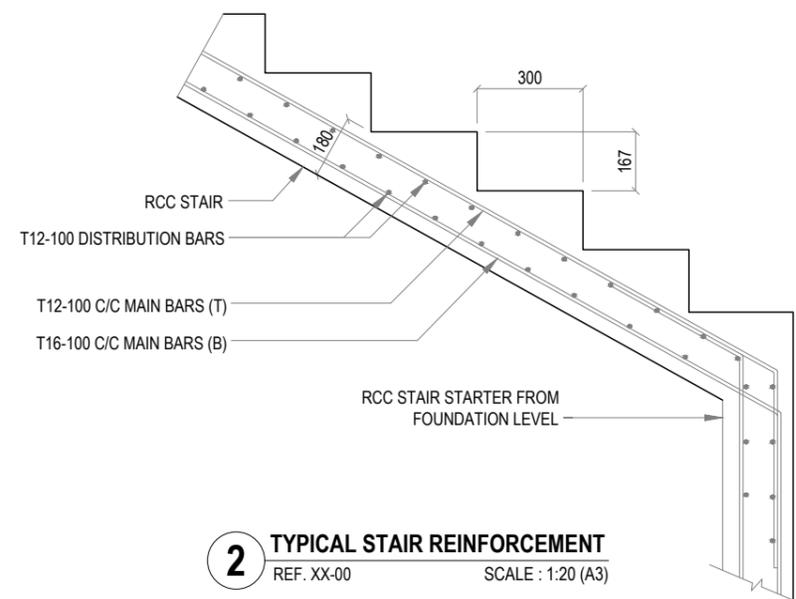
**GENERAL NOTES:**

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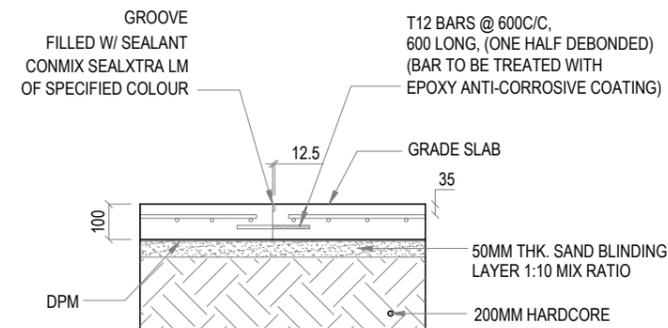
KEY PLAN:

REV.	DESCRIPTION	DATE

**1 COLUMN DETAILS**  
REF. XX-00 SCALE : 1:20 (A3)



**2 TYPICAL STAIR REINFORCEMENT**  
REF. XX-00 SCALE : 1:20 (A3)



**3 MOVEMENT JOINT DETAIL**  
REF. XX-00 SCALE : 1:20 (A3)



PHASE:

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<input checked="" type="checkbox"/>	DESIGN APPROVAL
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<input type="checkbox"/>	AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY

LOCATION: GDH.THINADHOO

DISCIPLINE: DETAILS

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21 SCALE: 1:20 SHEET SIZE: A3

DRAWING NO. REV.

**S-5.14**

0.00



**GENERAL NOTES:**

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KEY PLAN:

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  - AS-BUILT DRAWINGS

PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY  
LOCATION: GDH.THINADHOO

DISCIPLINE: DETAILS

DRAWN BY: ISMAIL

DESIGNED BY:

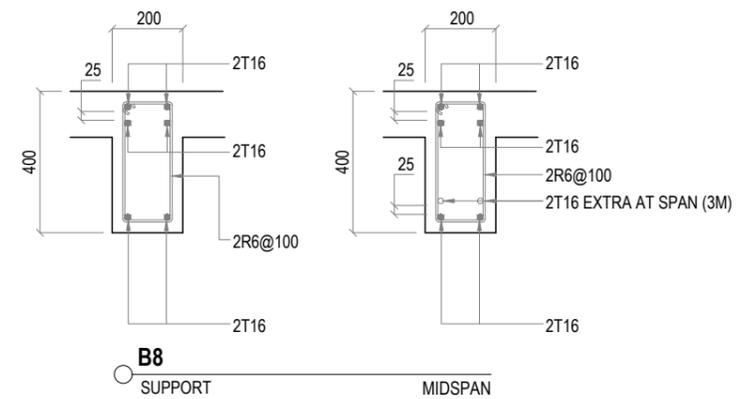
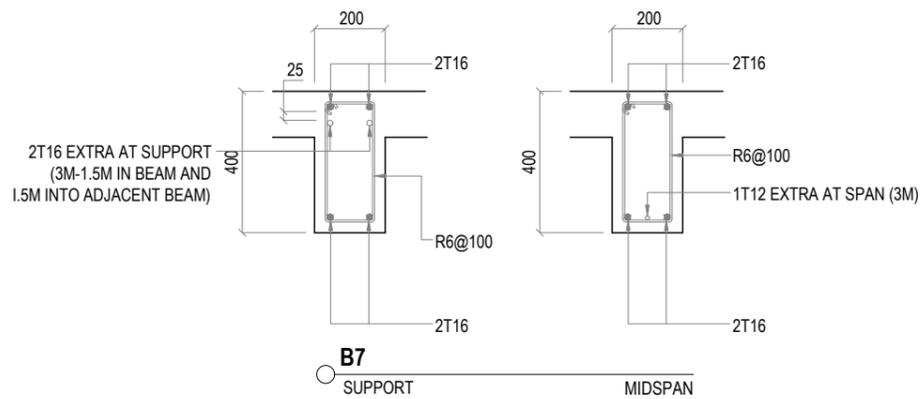
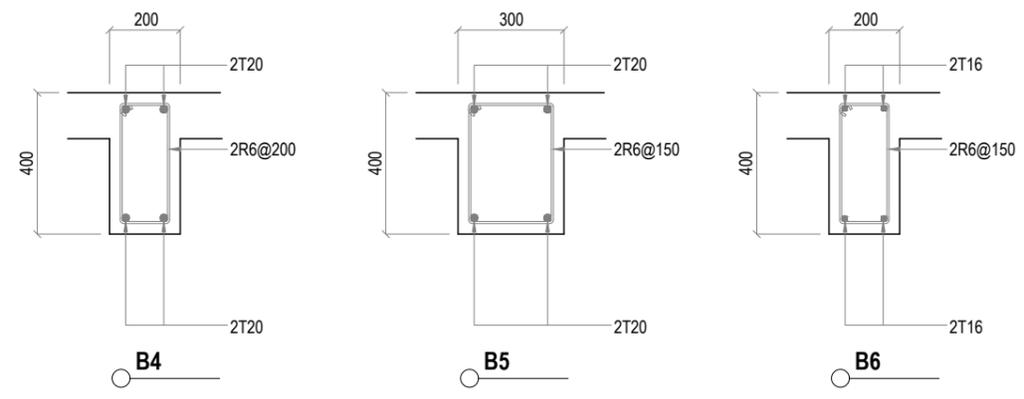
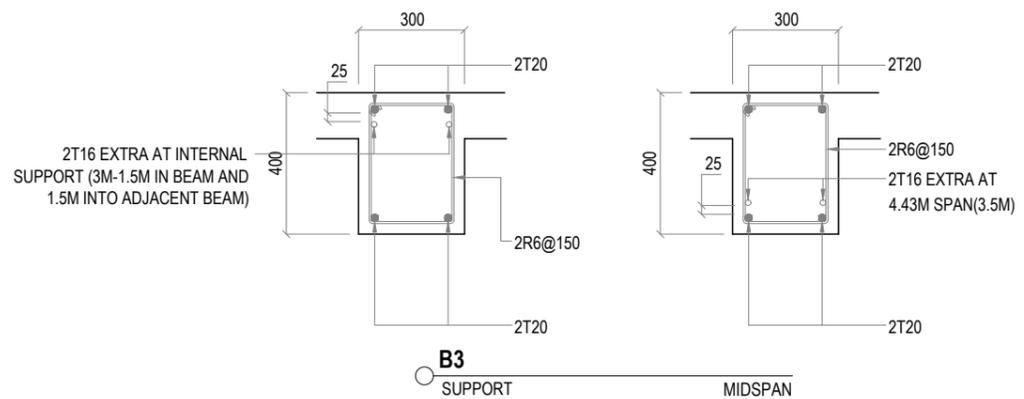
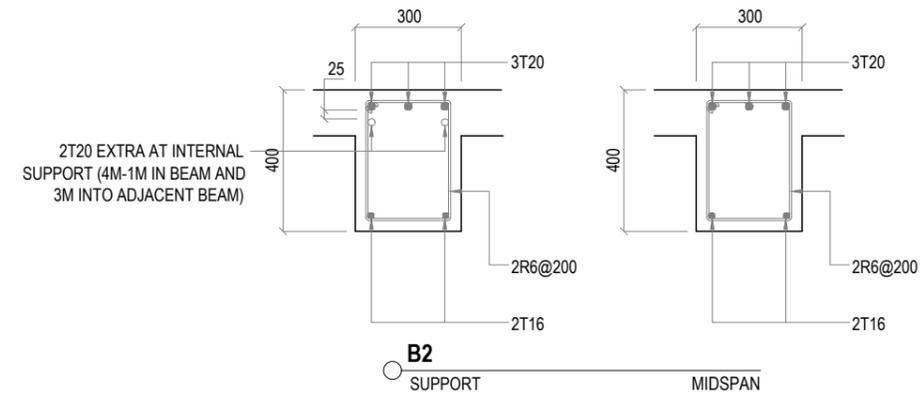
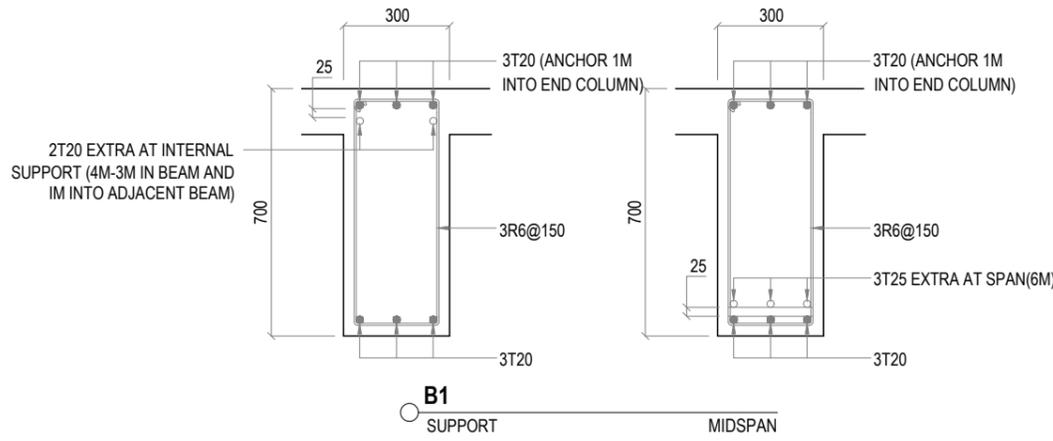
CHECKED BY: CEC

DATE: Jan 21      SCALE: 1:20      SHEET SIZE: A3

DRAWING NO.      REV.

**S-5.15**

0.00

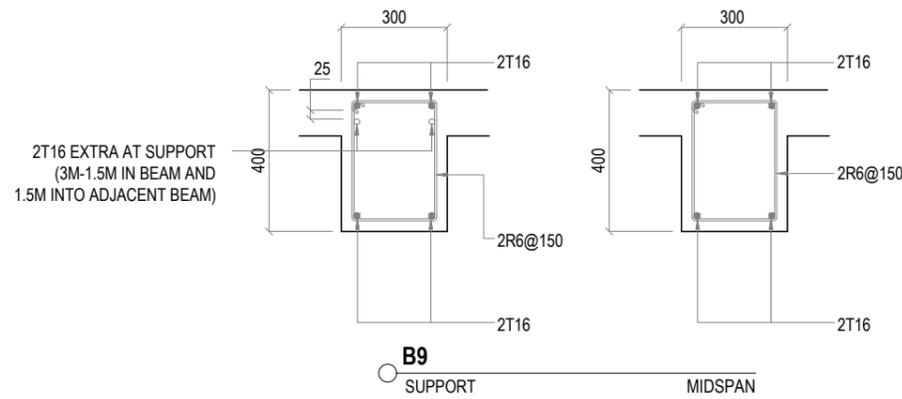


**1 BEAM DETAILS 01**  
REF. XX-00 SCALE : 1:20 (A3)

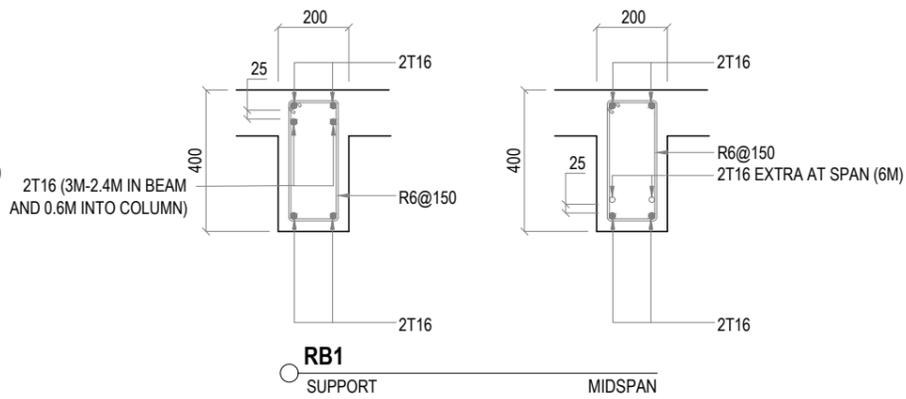
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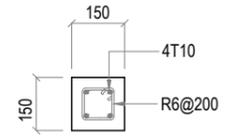
KEY PLAN:



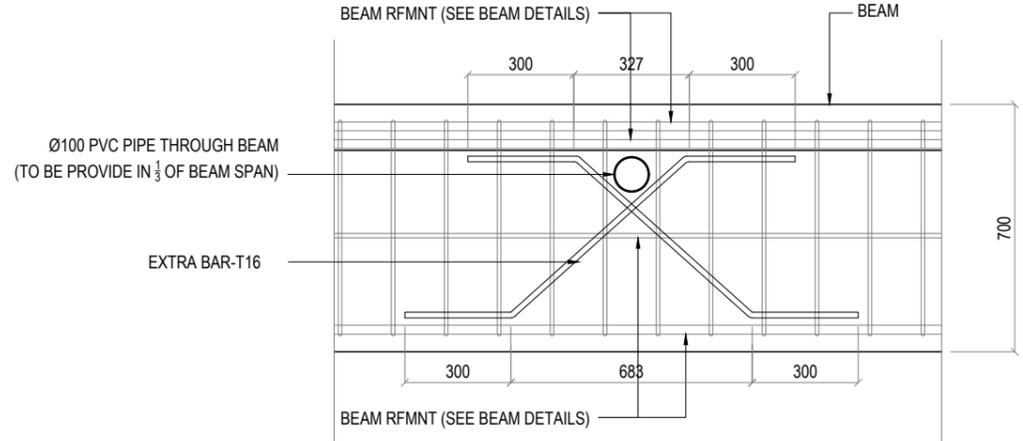
**1 BEAM DETAILS 02**  
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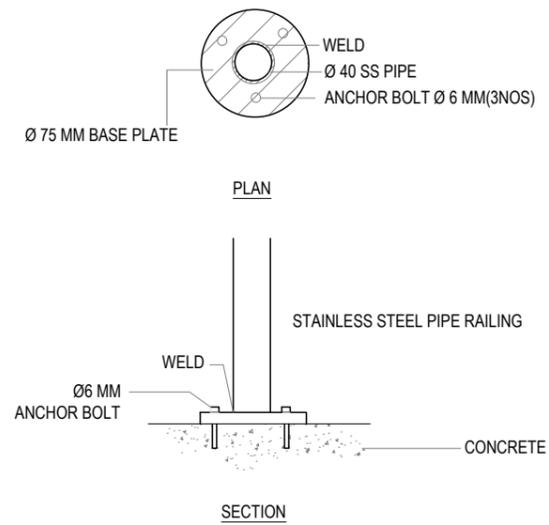
**2 LINTEL / SILL BEAM DETAILS**  
REF. XX-00 SCALE : 1:20 (A3)



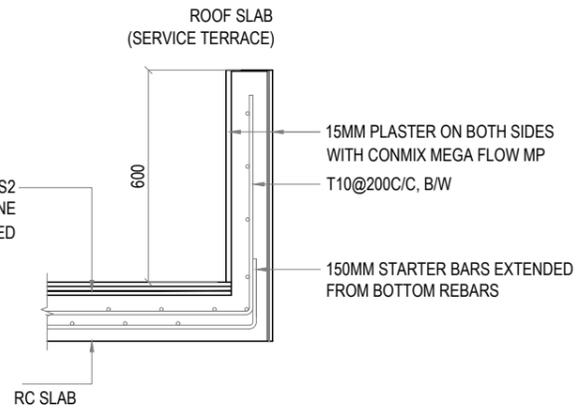
LINTELS OVER ALL DOORS, WINDOWS, STRUCTURAL OPENINGS IN WALLS



**3 TYPICAL PROVISION FOR AC OUTLET PIPE**  
REF. XX-00 SCALE : 1:20 (A3)



**4 STAIRCASE HANDRAIL CONNECTION DETAIL**  
REF. XX-00 SCALE : 1:20 (A3)



**5 TYPICAL RC PARAPET WALL ON ROOF SLAB**  
REF. XX-00 SCALE : 1:20 (A3)

REV.	DESCRIPTION	DATE



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- PHASE:
- CONCEPTUAL DESIGN
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  - DESIGN APPROVAL
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  - AS-BUILT DRAWINGS

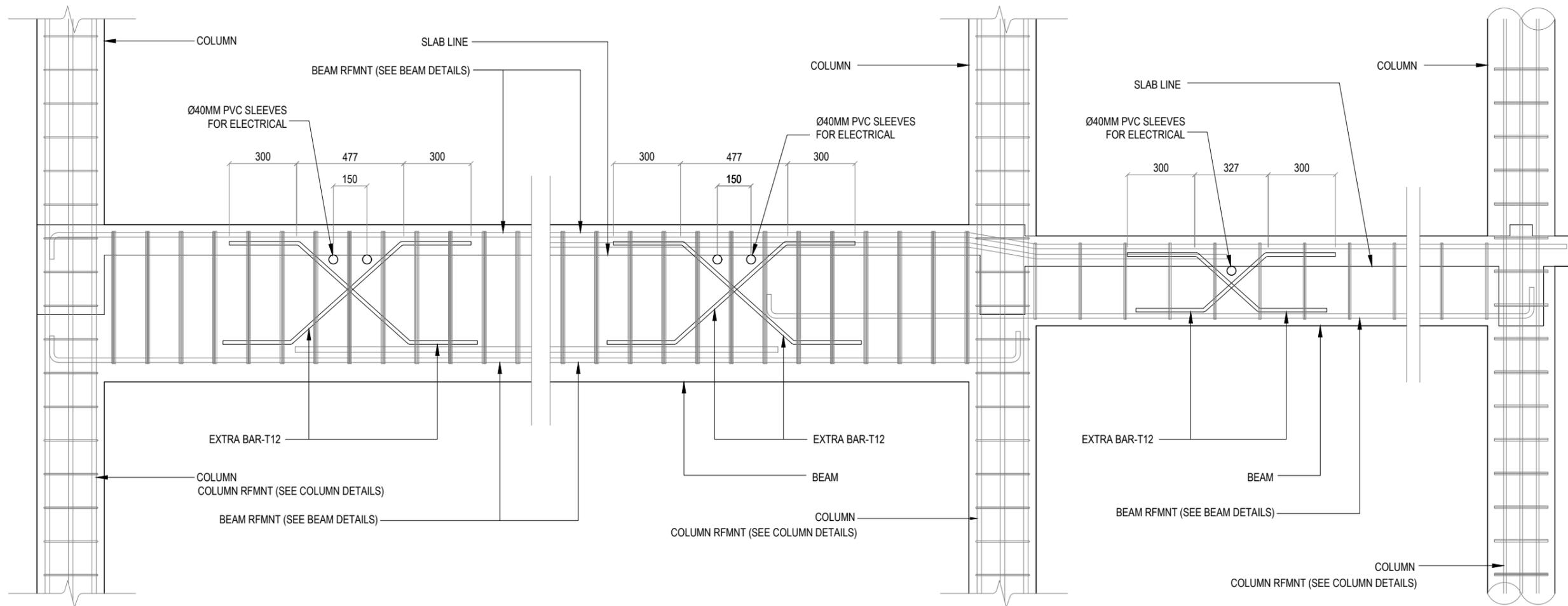
PROJECT:  
**ARCHITECTURAL DRAWINGS AND PREPARATION OF BILL OF QUANTITIES FOR THE PROPOSED MNU THINADHOO CAMPUS CLASSROOM BLOCK**

CLIENT: MALDIVES NATIONAL UNIVERSITY  
LOCATION: GDH.THINADHOO

DISCIPLINE: DETAILS  
DRAWN BY: ISMAIL  
DESIGNED BY:  
CHECKED BY: CEC  
DATE: Jan 21 SCALE: 1:20 SHEET SIZE: A3

DRAWING NO. **S-5.16** REV. 0.00





**1** TYPICAL PROVISION FOR ELECTRICAL PIPE - LONG SECTION THROUGH BEAM  
 REF. XX-00 SCALE : 1:20 (A3)

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**CLIENT:** MALDIVES NATIONAL UNIVERSITY

**LOCATION:** GDH.THINADHOO

**DISCIPLINE:** DETAILS

**DRAWN BY:** ISMAIL

**DESIGNED BY:**

**CHECKED BY:** CEC

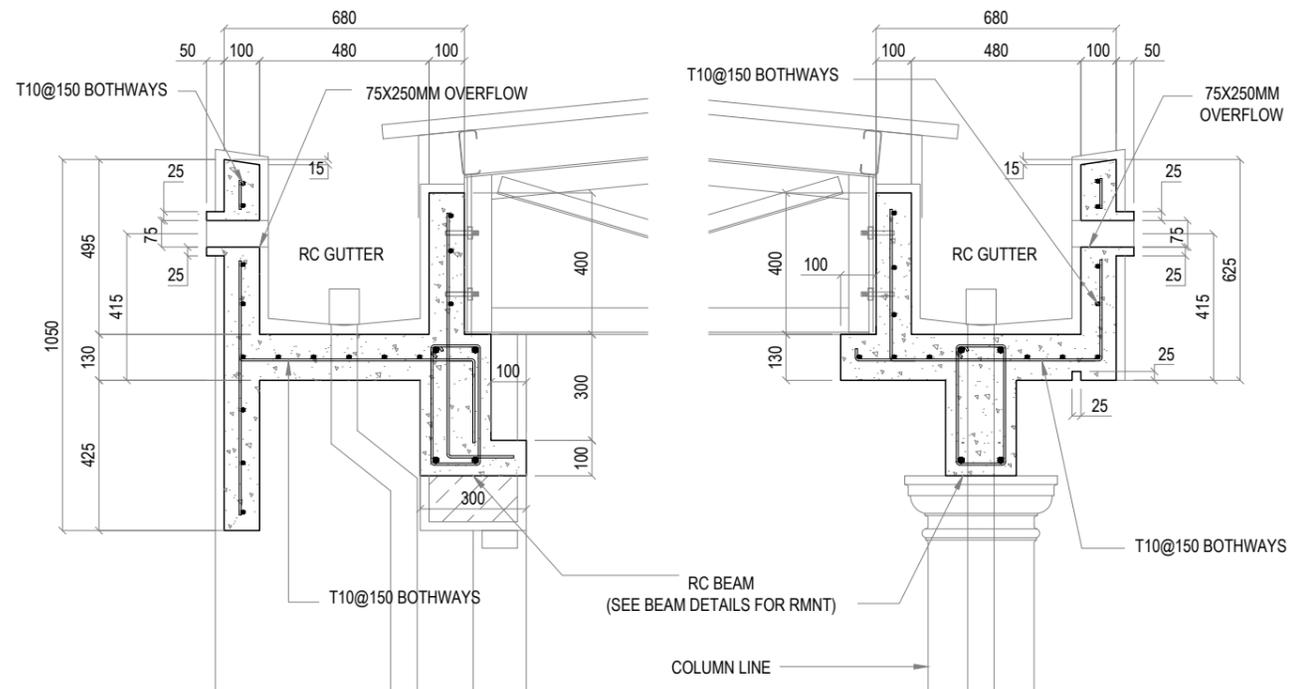
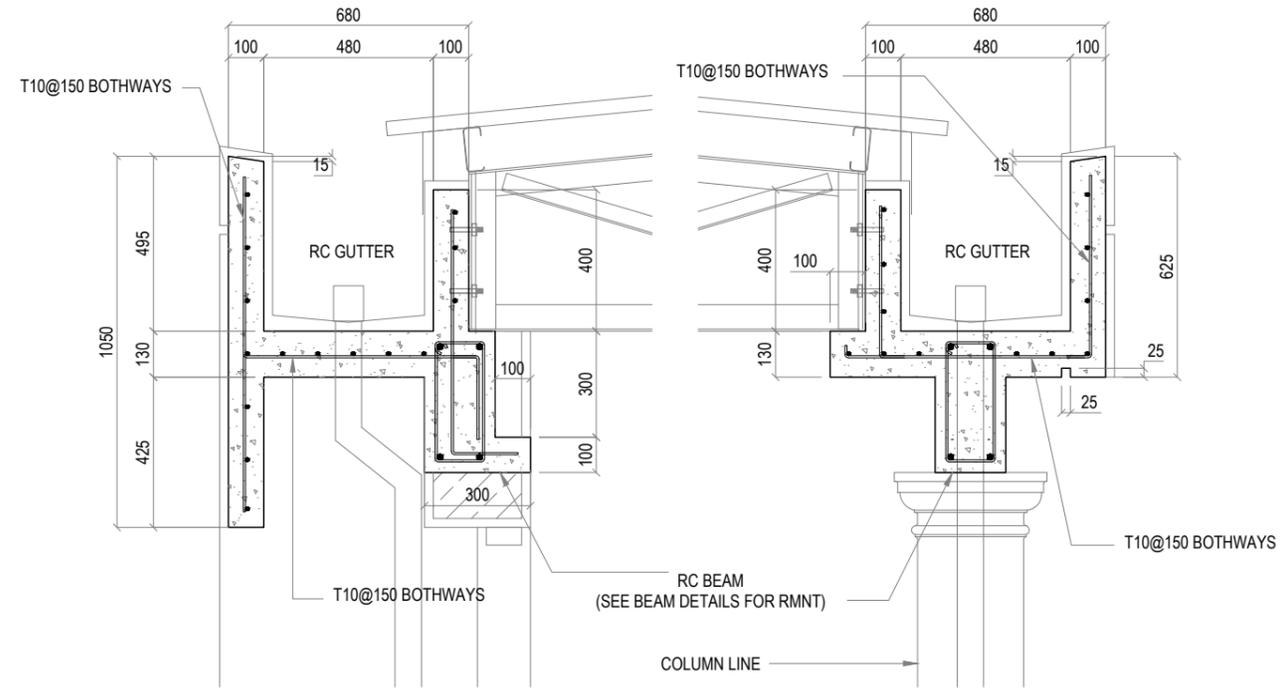
**DATE:** Jan 21 **SCALE:** 1:20 **SHEET SIZE:** A3

**DRAWING NO.** **REV.**

**S-5.17**

0.00





**1** GUTTER DETAILS  
REF. XX-00 SCALE : 1:20 (A3)



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CLIENT: MALDIVES NATIONAL UNIVERSITY  
LOCATION: GDH.THINADHOO

DISCIPLINE: DETAILS

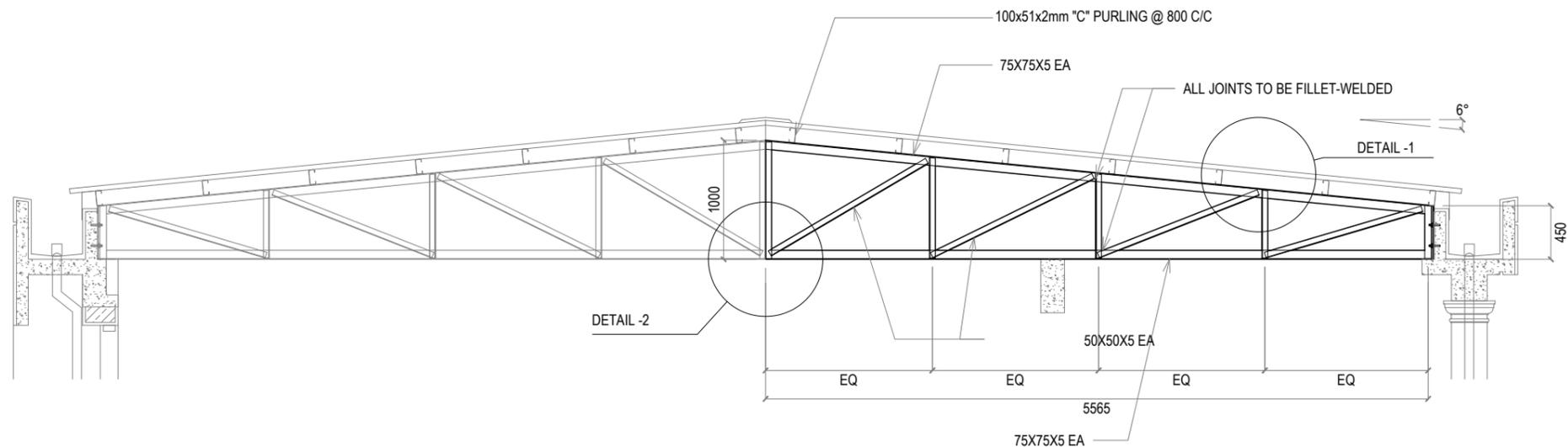
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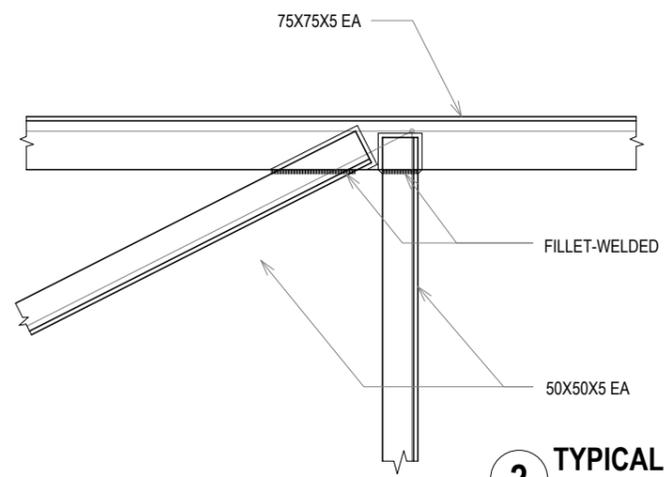
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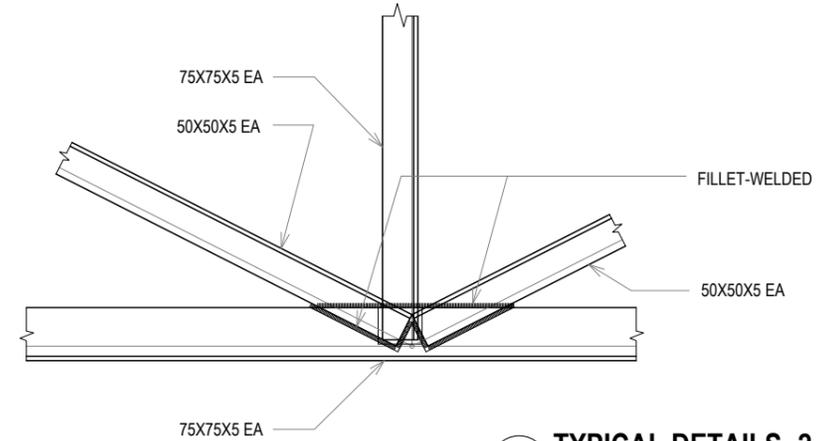
DRAWING NO. **S-5.18** REV. 0.00



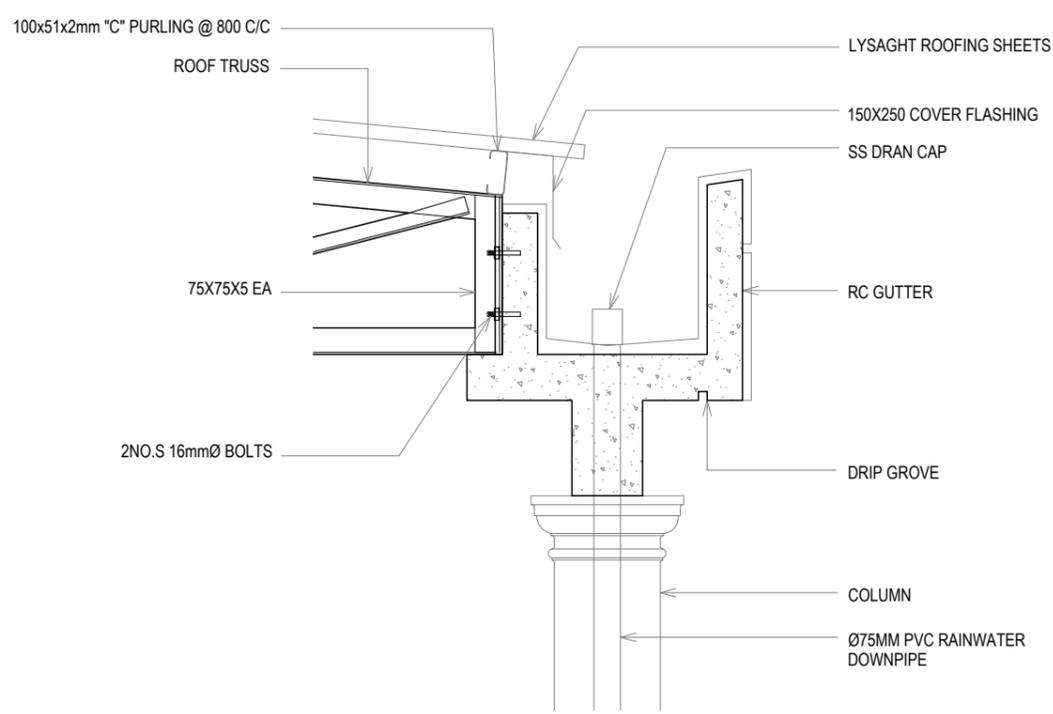
**1 TRUSS - TR1**  
XX-00 SCALE : 1:50 (A3)



**2 TYPICAL DETAILS -1**  
XX-00 SCALE : 1:50 (A3)



**3 TYPICAL DETAILS -2**  
XX-00 SCALE : 1:50 (A3)



**4 GUTTER DETAILS**  
XX-00 SCALE : 1:50 (A3)

GENERAL NOTES :  
SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONSULTANT PRIOR TO THE FABRICATION OF ALL TRUSS BY CONTRACTOR

**GENERAL NOTES:**

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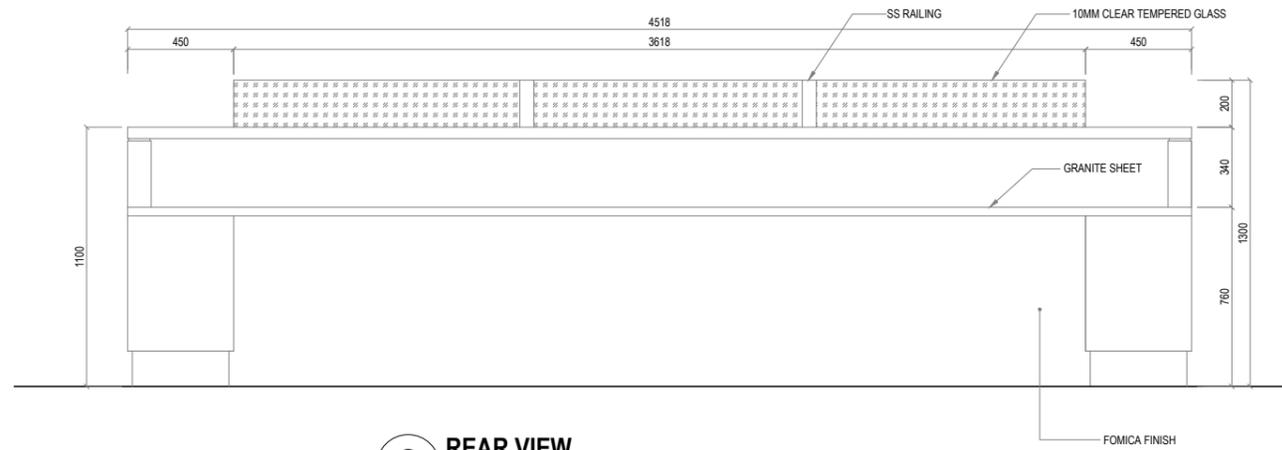
PROJECT:  
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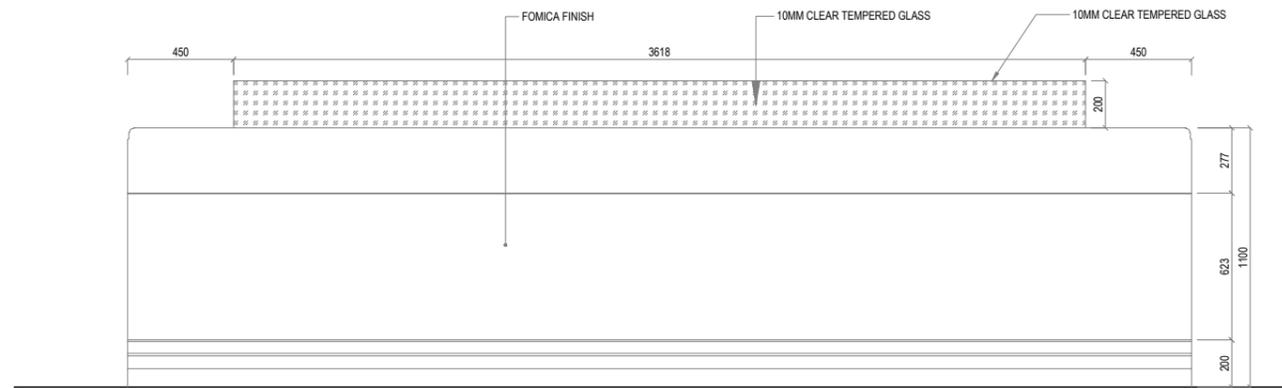
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DRAWN BY: ISMAIL  
DESIGNED BY:  
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DRAWING NO. **S-5.19**  
REV. 0.00

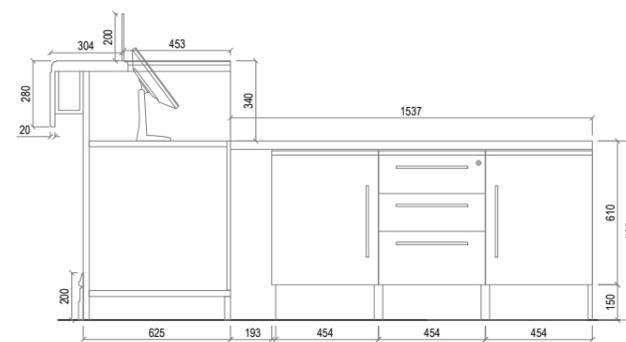




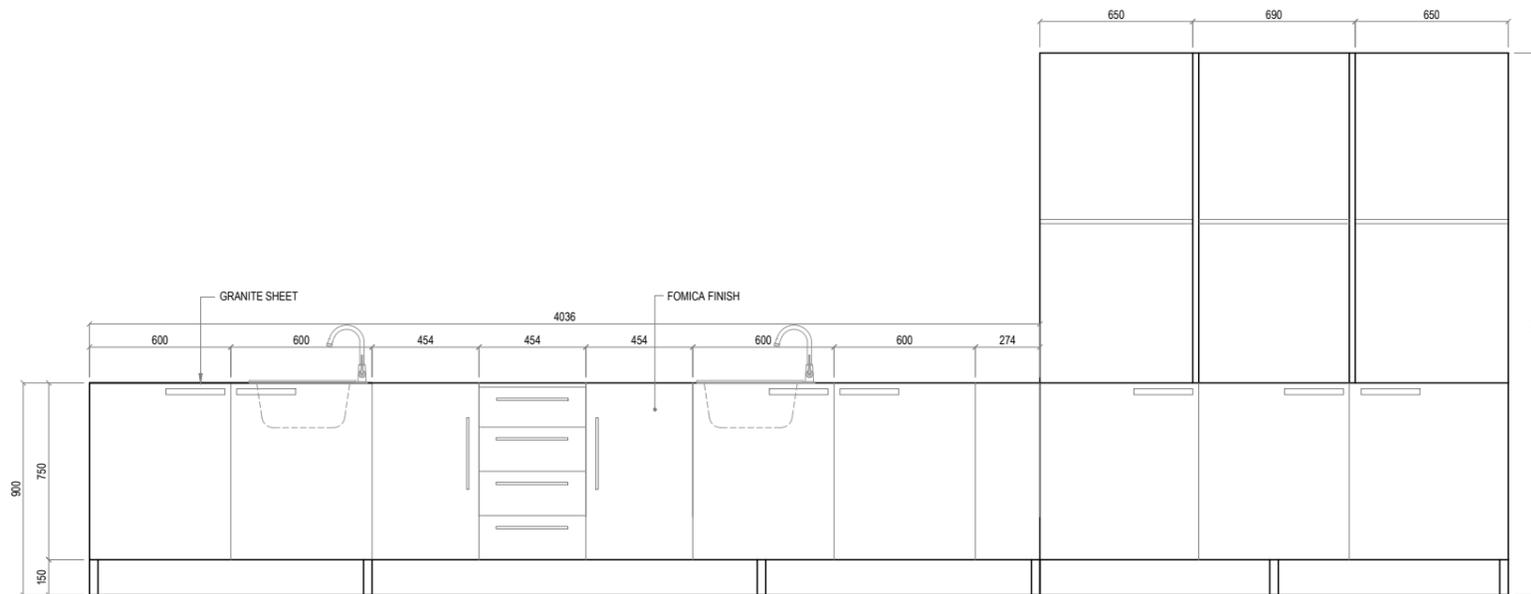
**2 REAR VIEW**  
REF. A-1.01 NURSING STATION COUNTER SCALE : 1:20 (A3)



**1 FRONT VIEW**  
REF. A-1.01 NURSING STATION COUNTER SCALE : 1:20 (A3)



**3 SIDE VIEW**  
REF. A-1.01 NURSING STATION COUNTER SCALE : 1:20 (A3)



**4 FRONT VIEW**  
REF. A-1.01 NURSING STATION SINK CABINET SCALE : 1:20 (A3)

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**LOCATION:** GDH.THINADHOO

**DISCIPLINE:** DETAILS

**DRAWN BY:** ISMAIL

**DESIGNED BY:**

**CHECKED BY:** CEC

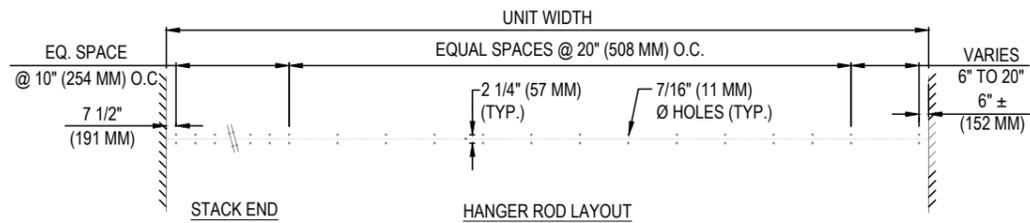
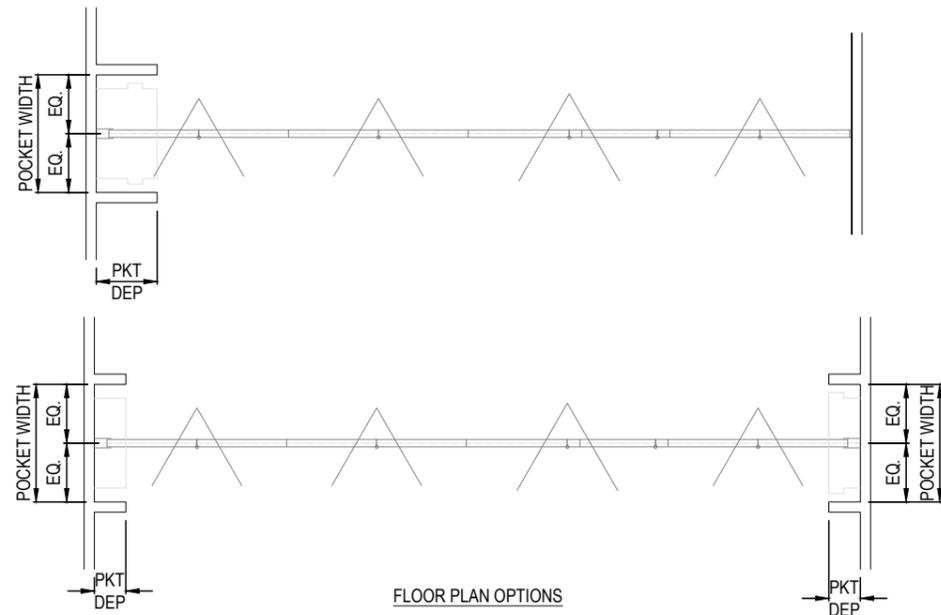
**DATE:** Jan 21 **SCALE:** 1:50 **SHEET SIZE:** A3

**DRAWING NO.** **REV.**

**S-5.20**

0.00





**LEGEND**

- A: LEVER CLOSURE PANEL
- B: BASIC PANEL

**MANUFACTURER NOTES:**

1. FOR COMPLETE RANGE OF OPTIONS, CONSULT MANUFACTURER'S CUT SHEET.

**NOTES:**

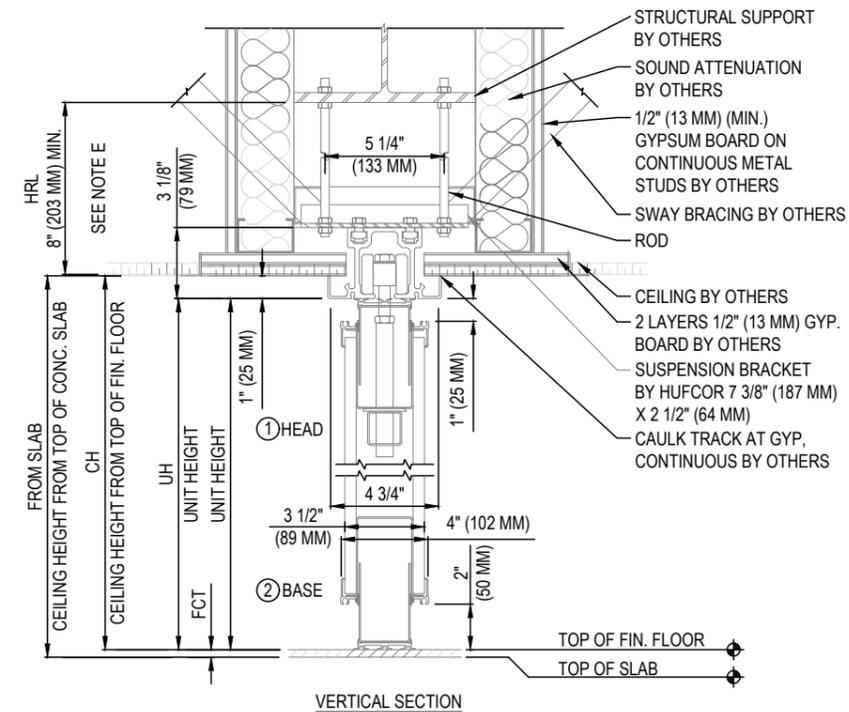
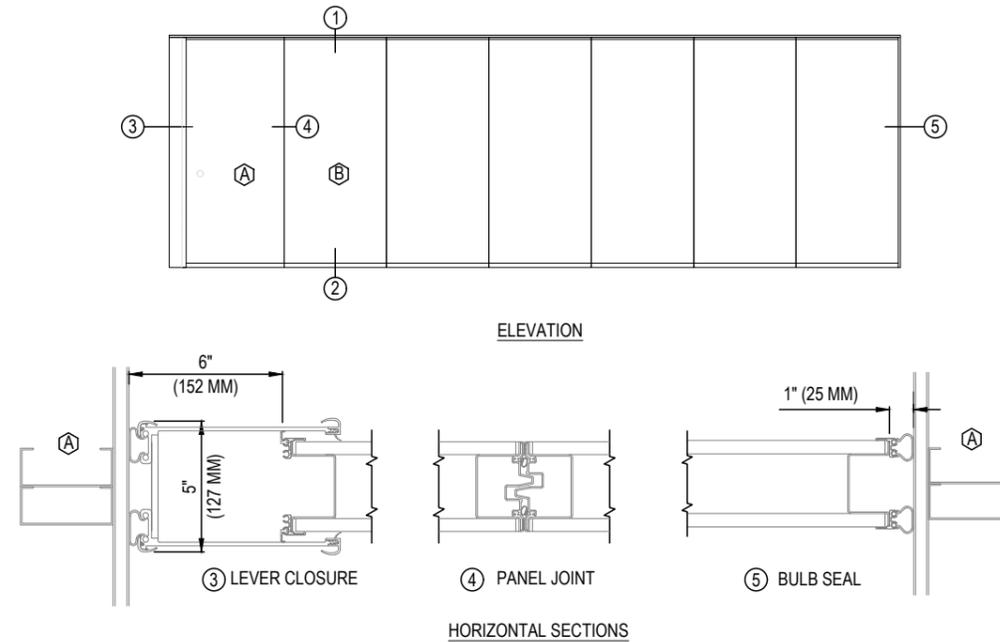
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER

**1 OPERABLE PARTITIONS/FOLDING PANEL PARTITION DETAILS**  
REF. XX-00 SCALE: NTS

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**KEY PLAN:**



**SPECIFICATIONS**

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <b>SERIES:</b> 642                    | <b>BOTTOM SEAL:</b> 2IN RETRACTABLE   |
| <b>TRACK:</b> TYPE 40                 | <b>PROTECTIVE EDGE TRIM:</b> NO       |
| <b>SUSPENSION BRACKETS:</b> TRUE      | <b>TRAIL CONDITION:</b> LEVER CLOSURE |
| <b>STRUCTURAL SUPPORT:</b> STEEL BEAM | <b>LEAD CONDITION:</b> BULB SEAL      |
| <b>TOP SEAL:</b> RETRACTABLE          |                                       |

**MANUFACTURER NOTES:**

1. FOR COMPLETE RANGE OF OPTIONS, CONSULT MANUFACTURER'S CUT SHEET.
2. EXTEND GYPSUM TIGHT TO EXISTING ROOF DECK. APPLY ACOUSTICAL INSULATION AND CAULK AT JOINTS, PENETRATIONS AND DECK VOLUTES TO INSURE COMPLETE SEAL.

REV.	DESCRIPTION	DATE



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**LOCATION:** GDH.THINADHOO

**DISCIPLINE:** DETAILS

**DRAWN BY:** ISMAIL

**DESIGNED BY:**

**CHECKED BY:** CEC

**DATE:** Jan 21

**SCALE:** NTS

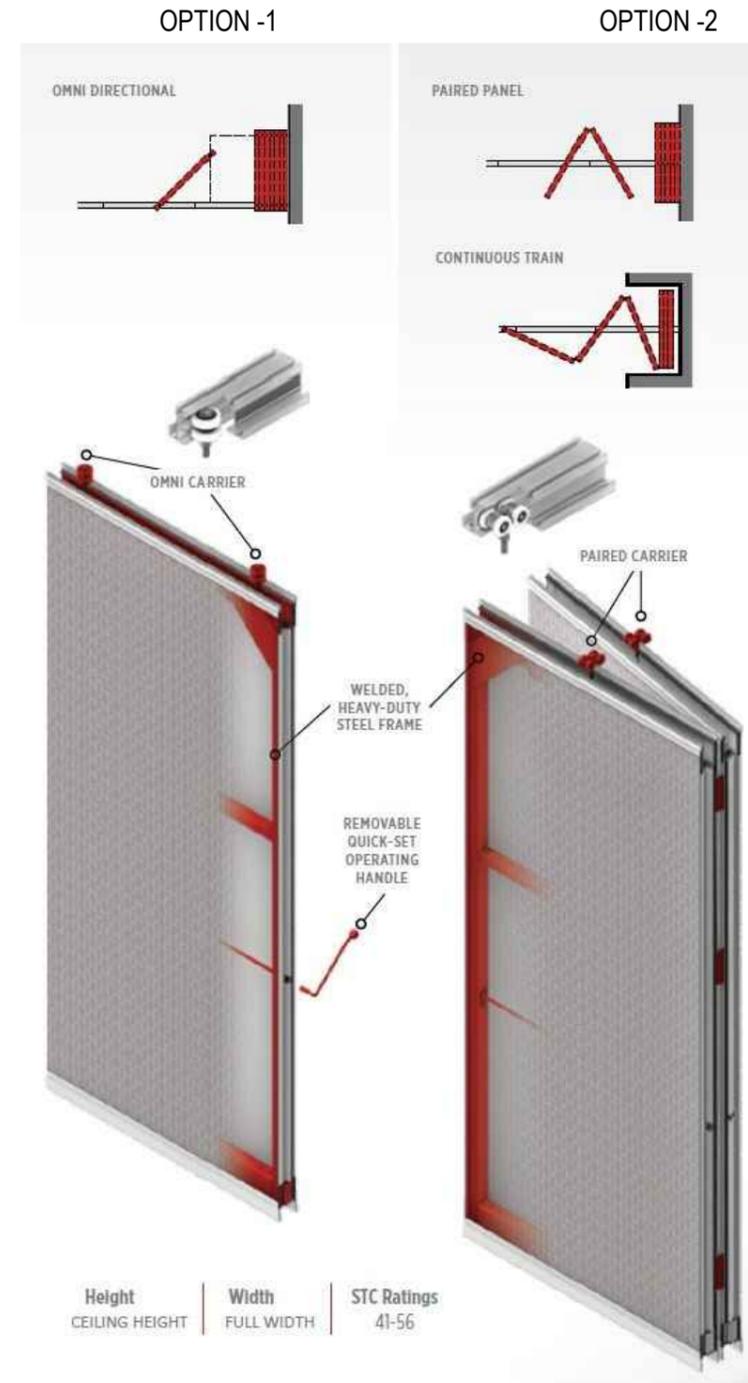
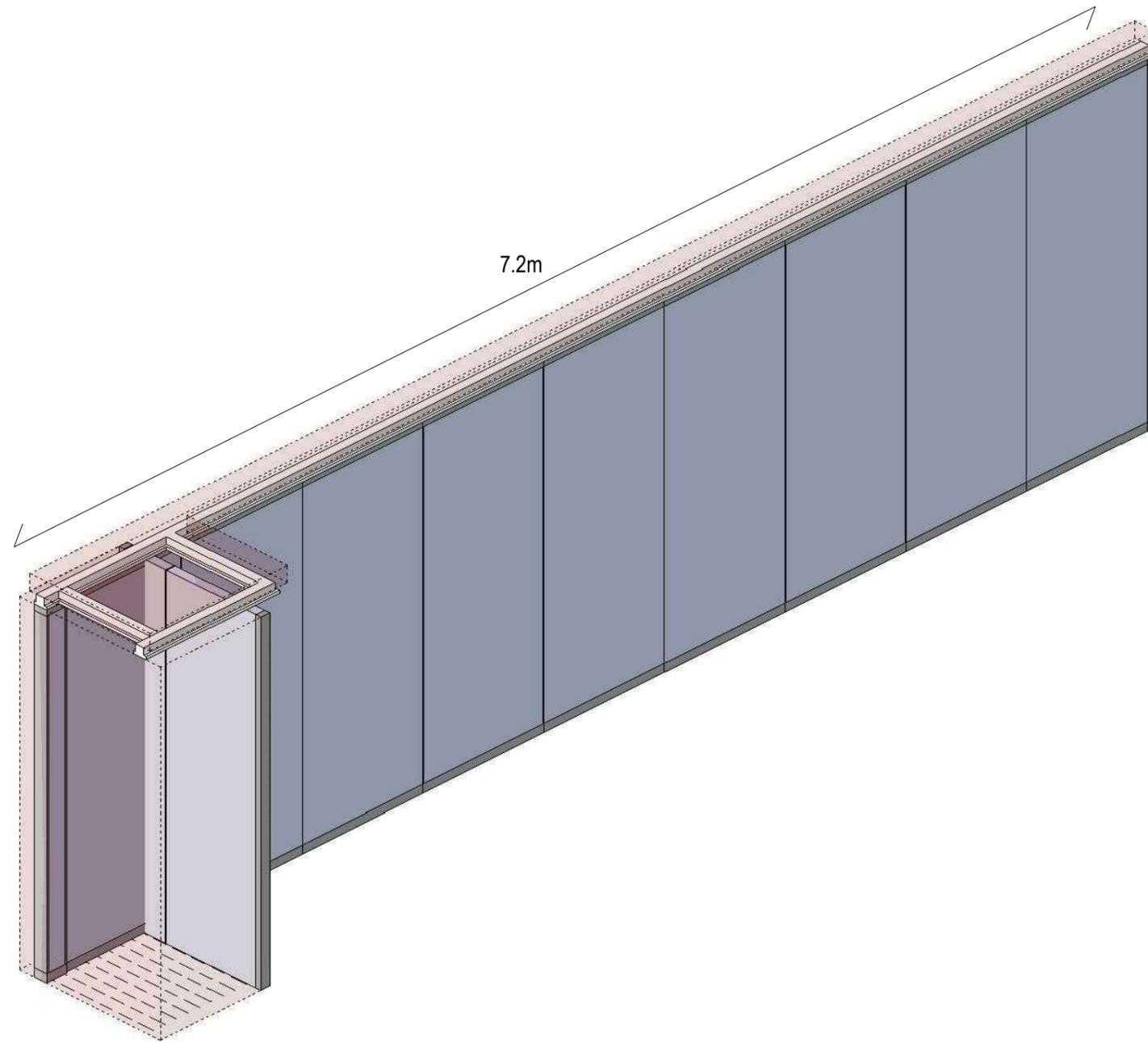
**SHEET SIZE:** A3

**DRAWING NO.:**

**REV.:**

**S-5.21**

0.00



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LOCATION: GDH.THINADHOO

DISCIPLINE: DETAILS

DRAWN BY: ISMAIL

DESIGNED BY:

CHECKED BY: CEC

DATE: Jan 21      SCALE: NTS      SHEET SIZE: A3

DRAWING NO.      REV.

**S-5.22**      0.00

**2 OPERABLE PARTITIONS/FOLDING PANEL PARTITION**  
 REF. XX-001      SCALE : NTS